

CMR substances from Annex VI of the CLP Regulation

registered under REACH and/or
notified under CLP

A first screening - Report 2012



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CMR substances from Annex VI of the CLP Regulation registered under REACH and notified under CLP – a first screening

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Table of Contents

ABBREVIATIONS	4
EXECUTIVE SUMMARY	5
1. INTRODUCTION	7
1.1 Goals and scope.....	7
1.2 CLP Regulation	7
1.3 Harmonised Classification and Labelling and Self-classification.....	7
2. CLASSIFICATION AND LABELLING	8
2.1 General concept.....	8
2.2 Table 3.1 entries of Annex VI to the CLP Regulation	8
2.3 Notes	8
3. METHODOLOGY AND LIMITATIONS	10
3.1 Method used to match substances	10
3.2 Limitations.....	11
4. RESULTS.....	12
ANNEX I	13

ABBREVIATIONS

CAS number	Chemical Abstracts Service number
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
C&L	Classification and Labelling
CMR	Carcinogenic, Mutagenic or Toxic for Reproduction
EC	European Commission
EC number	The EC number, i.e. EINECS, ELINCS or NLP, is the official number of the substance within the European Union.
ECHA	European Chemicals Agency
EU	European Union
IUCLID	International Uniform Chemical Information Database
REACH	Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals
UVCB	Substances of unknown or variable composition, complex reaction products or biological materials

EXECUTIVE SUMMARY

Substances that are carcinogenic, mutagenic or toxic to reproduction (CMRs) are of specific concern due to the long term and serious effects that they may exert on human health.

ECHA has received information from the first REACH registration deadline and the CLP notification deadline, which should cover all hazardous substances on the market in the EU today. This is the first opportunity to take a look at which CMR substances have now been registered and/or notified as being placed on the market.

This paper provides the result of an initial screening to identify which substances included in Annex VI of the CLP Regulation as CMRs have been registered or notified with ECHA. It provides a snapshot of the situation, as far as the current data allows.

The screening was largely automated and IT based. It did not involve a detailed examination of scientific information - given the high number of dossiers (around 25 000) and notifications involved (around 3.5 million) that could only be achieved in the much longer term. Matching of substances was done based on numerical identifiers (EC and CAS numbers) and no detailed substance identity analysis was performed.

For the purpose of this analysis, substances classified in the more severe CMR categories (Carc. 1A or Carc. 1B¹, and/or Muta. 1A or Muta. 1B², and/or Repr. 1A or Repr. 1B³) have been included while substances classified in lower categories (Carc. 2⁴, Muta. 2⁵, and/or Repr. 2⁶) have not. The list of substances classified in the more severe CMR categories was taken from Table 3.1 of Annex VI to the CLP Regulation.

From the 1 008 CMR entries currently included in Annex VI, **1 116** substances with numerical identifiers were extracted and used for the analysis while substances or groups of substances with no numerical identifiers were excluded (see Section 2.2 for further details). At the time of the screening (April 2012) more than **5 300** substances were registered under REACH and over **116 000** substances were notified under the CLP Regulation.

The screening shows that, for the individually identified substances with harmonised classification and labelling as CMR at EU level, some 60 % have either been registered under the REACH Regulation⁷ or notified to the C&L Inventory under the CLP Regulation⁸. For about 40% of the substances, no match could be found.

There can be a number of valid reasons why substances could not be found in the registered or notified lists. The basis for Annex VI to the CLP Regulation was Annex I of the previous Council Directive (67/548/EEC), which contained a compilation of harmonised C&L entries that were agreed upon over several decades. Many substances may simply no longer be manufactured or marketed in the EU, as they have been substituted by other, less hazardous, substances. It is also not a prerequisite to inclusion on Annex VI to CLP that a substance is placed on the market as defined by REACH and CLP. In fact, some substances on Annex VI are rare and unlikely to be placed on the market. An example of this is bunsenite, a rare mineralogical form of nickel oxide (index no 028-003-00-2). No manual verification was done on the substances to exclude or otherwise identify these potentially rare and/or obsolete substances.

¹ May cause cancer

² May cause genetic defects

³ May damage fertility or the unborn child

⁴ Suspected of causing cancer

⁵ Suspected of causing genetic defects

⁶ Suspected of damaging fertility or the unborn child

⁷ Regulation (EC) No 1907/2006 on Registration, Evaluation, Authorisation and Restriction of Chemicals

⁸ Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures

Many of the substances for which no match could be found are UVCB substances used in the petroleum industry. During preparations for REACH registration, there were concerted efforts by industry to thoroughly evaluate and verify the substance identities of these substances. This has led to a reduction in numbers and names of substances placed on the market.

The table at the end of this paper lists the CMR substances with numerical identifiers from Annex VI that were found in either the registration dossiers or notification inventory. Regulators may choose to reflect on this information, for instance when selecting substances for the identification of substances of very high concern for the Candidate List for Authorisation. Industry associations too may find the list helpful in following up on substances manufactured by companies that they represent.

It is clear that further work is necessary to have a full picture of CMR substances registered and/or notified, including those that industry has self-classified as carcinogenic, mutagenic or reprotoxic but which nevertheless have not been included on Annex VI to the CLP Regulation or which have been notified as an individual CMR substance of a group entry for which normally no numerical identifier exists. A very rough analysis indicates that more than 2 000 substances have been self-classified as CMR substances under either REACH registration or the CLP notification process. It is, therefore, clear that Annex VI to CLP does not represent a conclusive list of CMR substances currently on the market. Much further analysis would be required to confirm these findings. ECHA will screen the information supplied with the aim of gaining a better understanding on which substances have been self-classified as CMRs. This may further assist regulators in their planning for evaluation work and the preparation of proposals for harmonised classification and labelling for inclusion on Annex VI to the CLP Regulation.

1. INTRODUCTION

1.1 Goals and scope

This paper provides the result of an initial automated screening to identify which substances included in Annex VI of the CLP Regulation as CMRs have been registered or notified with ECHA. It provides a snapshot of the situation, as far as the current data allow.

1.2 CLP Regulation

Regulation (EC) No 1272/2008 on the classification, labelling and packaging of substances and mixtures (CLP Regulation) ensures that the hazards presented by substances are clearly communicated to workers and consumers in the European Union.

Before placing chemicals on the market, industry must establish the potential risks of such substances and mixtures to human health and the environment and classify them in line with the identified hazards. The hazardous chemicals also have to be labelled according to a standardised system so that workers and consumers know about their effects before they handle them.

1.3 Harmonised Classification and Labelling and Self-classification

In some cases, a classification of a chemical is harmonised at EU level. Since the CLP Regulation entered into force on 20 January 2009, this process primarily concerns the most hazardous substances, in particular those that are carcinogenic, mutagenic, toxic for reproduction (CMR) or respiratory sensitisers. Where an agreement at EU level on the C&L of a substance has been reached, it is included in the list of harmonised classifications (Table 3.1 of Annex VI to the CLP Regulation). If the classification of the chemical is harmonised at EU level, the suppliers of that chemical must apply this harmonised classification and labelling.

The substances currently included in Table 3.1 of Annex VI to the CLP Regulation consist mostly of substances which have been transferred from Annex I to Directive 67/548/EEC, where they were listed over several decades. The process under the earlier Directive did not specifically focus on CMRs and the classifications for many substances have been harmonised for other hazard classes. Substances have been included on Annex I to Directive 67/548/EEC and Annex VI to the CLP regardless of whether they were in commercial use.

If the classification of the chemical is not harmonised at EU level (as it is in most cases), suppliers have to decide on the classification of their substance or mixture based on all of the available information. This is called self-classification. Over a hundred thousand substances have been self-classified by industry and notified to the Agency under the CLP notification process.

2. CLASSIFICATION AND LABELLING

2.1 General concept

The CLP pages⁹ on the ECHA website can be consulted for further references to guidance documents and legislation on Classification and Labelling (C&L).

Substances placed on the market in the EU must be notified to the Classification and Labelling Inventory when they are subject to registration under the REACH Regulation (all substances manufactured or imported in quantities exceeding one tonne per manufacturer or importer per year) or they are classified as hazardous, irrespective of the quantity involved.

The information to be submitted to the inventory includes the names and contact details of the notifier, the identity of the substance, classification according to the CLP criteria (self-classification or harmonised), label elements and specific concentration limits, and multiplying (M)-factors.

Certain information from the notifications is made publicly available in the public Classification and Labelling Inventory, available on the ECHA website¹⁰. The information included consists of the name and numerical identifiers of the substance and the notified classification. The inventory also contains the list of harmonised classifications listed in the CLP Regulation.

2.2 Table 3.1 entries of Annex VI to the CLP Regulation

Table 1 below gives examples of harmonised classifications listed in Table 3.1 of Annex VI to the CLP Regulation¹¹, which is updated whenever a new harmonised C&L is agreed at EU level.

Entries on Annex VI can be either for single substances (see example 1 in Table 1 below) or for a group of substances. Group entries can cover a finite number of substances (example 3 in Table 1 or an unspecified number of substances possibly without any EC or CAS number (example 2 in Table 1)).

These features make it difficult to easily match substances listed on Annex VI with substances that have been registered under REACH or notified to the C&L inventory. The next chapters describe how the comparison was undertaken and highlights a number of limitations, the most important being that no verification could be conducted on whether the substance had been registered or notified if the substance was part of a group entry with no assigned EC or CAS number.

2.3 Notes

An added complexity is the fact that many substances can have a harmonised classification as CMR in Annex VI, but subject to certain conditions as specified in a so-called 'note'. Some of these notes specify circumstances where classification as CMR would not apply. For example, for certain coal- and oil-derived substances, the classification as carcinogenic does not apply if the concentration of benzene as an impurity in the manufactured and/or marketed substances is below 0.1% (Note J).

This note applies to around 100 entries of Annex VI. Similar notes may apply to CMR substances (Notes K, L, M, N, P, Q), altogether summing up to more than 800 entries providing for the possibility that a substance need only to be classified as a CMR if the conditions speci-

⁹ <http://echa.europa.eu/web/guest/regulations/clp/classification>

¹⁰ <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

¹¹ Items listed in the Table 3.1 (Index number, International chemical identification, EC and CAS numbers, etc.) are described in Annex VI of the CLP Regulation.

fied in these notes are fulfilled. This means that if a company places such a substance on the market and only when the conditions specified in the note are fulfilled, it would have to classify them as CMR and indicate this during registration or notification. However, if the conditions specified in the note are not fulfilled (because the level of an impurity is below the threshold of the note), the same substance could be registered or notified without classification as CMR.

Table 1: Some examples of entries on Table 3.1 of Annex VI to CLP

Index No	International Chemical Identification	EC No	CAS No	Classification		Labelling			Notes	ATP insert ed/A TP Updat ed
				Hazard Class and Category Code(s)	Hazard Statement Code(s)	Pictogram, Signal Word Code(s)	Hazard statement Code(s)	Suppl. Hazard statement Code(s)		
004-001-007	beryllium	231-150-7	7440-41-7	Carc. 1B Acute Tox. 2 * Acute Tox. 3 * STOT RE 1 Eye Irrit. 2 STOT SE 3 Skin Irrit. 2 Skin Sens. 1	H350 H330 H301 H372 ** H319 H335 H315 H317	GHS06 GHS08 Dgr	H350 H330 H301 H372 ** H319 H335 H315 H411		CLP00 /	
004-002-002	beryllium compounds with the exception of aluminium beryllium silicates, and with those specified elsewhere in this Annex	.	.	Carc. 1B Acute Tox. 2 * Acute Tox. 3 * STOT RE 1 Eye Irrit. 2 STOT SE 3 Skin Irrit. 2 Skin Sens. 1 Aquatic Chronic 2	H350 H330 H301 H372 ** H319 H335 H315 H317 H411	GHS06 GHS08 GHS09 Dgr	H350 H330 H301 H372 ** H319 H335 H315 H411	A	CLP00 /	
028-029-004	nickel difluoride; [1] nickel dibromide; [2] nickel diiodide; [3] nickel potassium fluoride [4]	233-071-3 236-665-0 236-666-6 -[4]	[1] 10028-18-9 [1] [2] 13462-88-9 [2] [3] 13462-90-3 [3] [4] 11132-10-8 [4]	Carc. 1A Muta. 2 Repr. 1B STOT RE 1 Resp. Sens. 1 Skin Sens. 1 Aquatic Acute 1 Aquatic Chronic 1	H350 H341 H360D* ** H372** H334 H317 H400 H410	GHS08 GHS09 Dgr	H350 H341 H360D* ** H372** H334 H317 H410	C ≥ 1 %; STOT RE 1; H372 0,1 % ≤ C < 1 %; STOT RE 2; H373 C ≥ 0,01 %; Skin Sens. 1; H317 M=1	ATP01 /	

3. METHODOLOGY AND LIMITATIONS

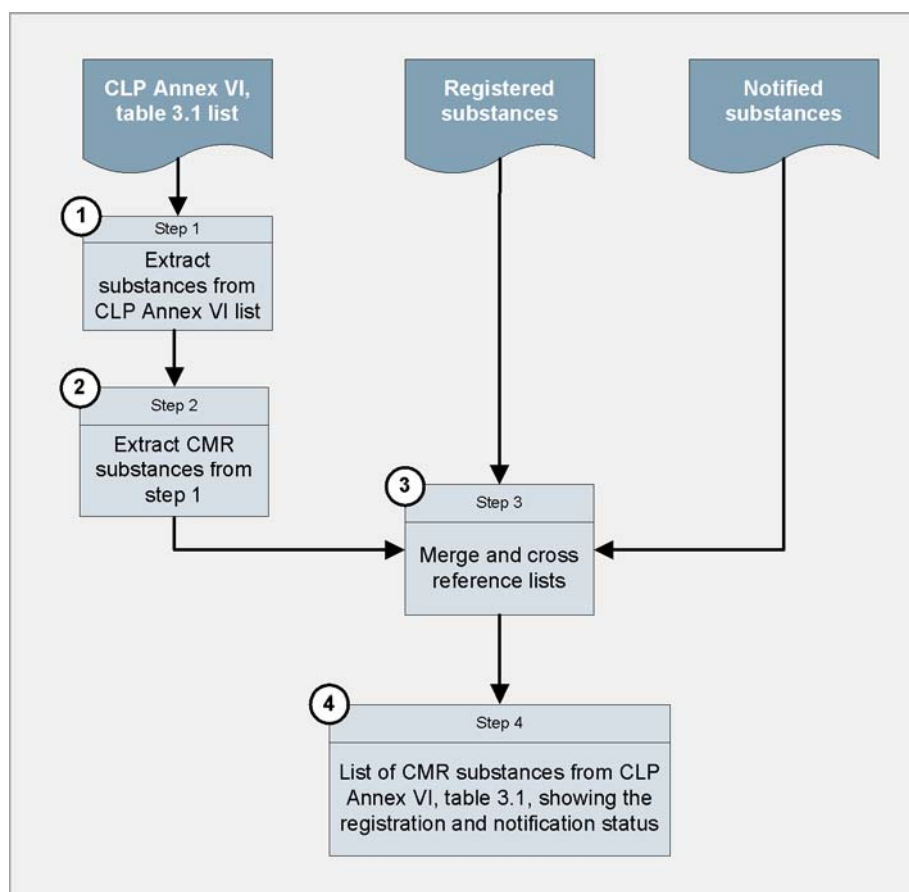
This chapter provides information on the methodology used to compare registered and notified substances with CMR substances listed in Annex VI.

3.1 Method used to match substances

Figure 1 provides an overview of the different steps used to compare CMR substances listed in Annex VI and registered/notified substances.

The current Table 3.1 of Annex VI to the CLP Regulation consists of 4 136 entries listed by index number, many of them undefined or containing multiple substances as explained in the previous chapter.

Figure 1: Process used for data generation



The first step (①) was to extract all substances from the 4 136 entries in Table 3.1 of Annex VI to CLP that could be uniquely identified by an EC and/or CAS number. All entries without EC and/or CAS numbers were excluded.

All substances extracted in the first step were then grouped by classification (step ②). For the purpose of this report only classifications as Carc. 1A or Carc. 1B (H35012), and/or Muta. 1A or Muta. 1B (H34013), and/or Repr. 1A or Repr. 1B (H36014) have been considered, while

¹² May cause cancer

¹³ May cause genetic defects

classifications as Carc. 2 - H35115, Muta. 2 – H34116, and/or Repr. 2 – H36117 are not included in the analysis.

The list was then matched against the lists of registered and notified substances by using the EC and/or CAS numbers (step ③). An overview of the resulting numbers (step ④) is presented in chapter 4.

3.2 Limitations

The matching of substances was performed by using EC or CAS Numbers. Substances listed in Annex VI without EC or CAS numbers could not be matched automatically. The same applies for substances registered or notified without EC and CAS numbers. Therefore, it is possible that other CMR substances, without numerical identifiers, have been registered or notified or that some substances have been registered under another CAS number than the one used in Annex VI and hence no match could be found. In addition, it cannot be excluded that substances might have been registered or notified with erroneous EC or CAS numbers, which would again prevent a match with the relevant entry in Annex VI to the CLP Regulation. A thorough substance identification examination would be required before firm conclusions can be drawn.

Information related to new chemicals notified under the previous legislation (NONS) is not included in this report unless an update of a dossier was received after 1 June 2008. Therefore, some CMR substances of Annex VI may have been missed in this analysis when no update was submitted to ECHA.

The matching of an entry was accomplished by checking the main identifier of the substance as recorded in the REACH-IT database. EC and CAS numbers of individual constituents listed in the composition of the substance in the registration dossiers were not considered, nor the substance identity information included in the chemical safety reports (CSRs). Hence, not all registered CMRs with numerical identifiers have been identified.

The classification of substances as CMRs and sequential matching was done only based on the harmonised classification as specified in Annex VI. The classification information provided by registrants or notifiers in their dossier was not used for this analysis (self-classification). As a consequence, the analysis did not detect substances registered or notified as CMRs without a corresponding match in Annex VI of the CLP Regulation – this could be the case, for example, for an individual substance falling into a group entry or a substance not yet listed in Annex VI of CLP.

Quality checks were done on a selected subset of the results.

¹⁴ May damage fertility or the unborn child

¹⁵ Suspected of causing cancer

¹⁶ Suspected of causing genetic defects

¹⁷ Suspected of damaging fertility or the unborn child

4. RESULTS

For this screening, a comparison of the EC or CAS numbers was carried out between the **1 116** CMR substances identified by EC and/or CAS numbers in Annex VI and the registered and notified substances. The screening found:

- **406** matches among the substances **registered** (of which 61 only as intermediate);
- **665** matches among the substances **notified** (which includes the registered substances);

Therefore, some 60 % have either been registered under the REACH Regulation or notified to the C&L Inventory under the CLP Regulation.

For about 40 % of substances, no match could be found. There can be a number of valid reasons why the substances could not be found in the registered or notified lists. The basis for Annex VI to the CLP Regulation was Annex I of the previous Council Directive (67/548/EEC), which contained a compilation of harmonised C&L entries that were agreed upon over several decades. Many substances may simply no longer be manufactured or marketed in the EU, as they have been substituted by other, less hazardous, substances. It is also not a prerequisite to inclusion on Annex VI to CLP that a substance is placed on the market as defined by REACH and CLP. In fact, some substances on Annex VI are rare and unlikely to be placed on the market. An example of this is bunsenite, a rare mineralogical form of nickel oxide (index no 028-003-00-2). No manual verification was done on the substances to exclude or otherwise identify these potentially rare and/or obsolete substances.

Many of the substances for which no match could be found are UVCB substances used in the petroleum industry. During preparations for REACH registration there were concerted efforts by industry to thoroughly evaluate and verify the identity of these substances. This has led to a reduction in numbers and names of substances placed on the market.

It is clear that further work is necessary to have a full picture of CMR substances registered and/or notified, including those that industry has self-classified as carcinogenic, mutagenic or reprotoxic but which nevertheless have not been included on Annex VI to the CLP Regulation or which have been notified as an individual CMR substance of a group entry for which normally no numerical identifier exists. A very rough analysis indicates that more than 2 000 substances have been self-classified as CMR substances under either the REACH registration or CLP notification process. It is, therefore, clear that Annex VI to CLP does not represent a conclusive list of CMR substances currently on the market. Much further analysis would be required to confirm these findings. ECHA will screen the information supplied with the aim to get a better understanding of which substances have been self-classified as CMRs. This may further assist regulators in their planning for evaluation work and the preparation of proposals for harmonised classification and labelling for inclusion on Annex VI to the CLP Regulation.

Annex I provides the list of Annex VI CMR substances which were part of this automated analysis with an indication for which a match could be found with registered substances under REACH and/or notified substances under CLP. Regulators may choose to reflect on this information, for instance when selecting substances for the identification of substances of very high concern for the Candidate List for Authorisation. Industry associations may also find the list helpful in following up on substances manufactured by companies that they represent.

ANNEX I

The list of substances used in this analysis with an indication of whether a match could be found with registered substances under REACH and/or notified substances under CLP.

Index No.	Name	EC No.	CAS No.	Registered	Notified
004-001-00-7	beryllium	231-150-7	7440-41-7	match found	match found
004-003-00-8	beryllium oxide	215-133-1	1304-56-9	match found	match found
005-006-00-7	dibutyltin hydrogen borate	401-040-5	75113-37-0	match not found	match not found
005-007-00-2	boric acid, crude natural, containing not more than 85 per cent of H ₃ BO ₃ calculated on the dry weight boric acid	234-343-4	11113-50-1	match not found	match found
		233-139-2	10043-35-3	match found	match found
005-008-00-8	diboron trioxide;boric oxide	215-125-8	1303-86-2	match found	match found
005-011-00-4	orthoboric acid, sodium salt	237-560-2	13840-56-7	match not found	match found
	disodium tetraborate, anhydrous;boric acid, disodium salt	215-540-4	1330-43-4	match found	match found
	tetraboron disodium heptaoxide, hydrate	235-541-3	12267-73-1	match not found	match found
005-011-01-1	disodium tetraborate decahydrate;borax decahydrate	215-540-4	1303-96-4	match found	match found
005-011-02-9	disodium tetraborate pentahydrate;borax pentahydrate	215-540-4	12179-04-3	match found	match found
005-017-00-7	sodium perborate	239-172-9	15120-21-5	match not found	match found
	perboric acid, sodium salt	231-556-4	7632-04-4	match not found	match found
005-017-01-4	sodium perborate	239-172-9	15120-21-5	match not found	match found
	perboric acid, sodium salt	231-556-4	7632-04-4	match not found	match found
005-018-00-2	perboric acid (H ₃ BO ₂ (O ₂)), monosodium salt trihydrate	239-172-9	13517-20-9	match not found	match found
	perboric acid, sodium salt, tetrahydrate	234-390-0	37244-98-7	match found	match found
	perboric acid (HBO(O ₂)), sodium salt, tetrahydrate	231-556-4	10486-00-7	match not found	match found
005-018-01-X	perboric acid, sodium salt, tetrahydrate	234-390-0	37244-98-7	match found	match found
	perboric acid (HBO(O ₂)), sodium salt, tetrahydrate	231-556-4	10486-00-7	match not found	match found
	perboric acid (H ₃ BO ₂ (O ₂)), monosodium salt, trihydrate	239-172-9	13517-20-9	match not found	match found
005-019-00-8	perboric acid, sodium salt, monohydrate	234-390-0	12040-72-1	match found	match found
	perboric acid, sodium salt	234-390-0	11138-47-9	match found	match found
	perboric acid (HBO(O ₂)), sodium salt, monohydrate	231-556-4	10332-33-9	match not found	match found
005-019-01-5	perboric acid, sodium salt, monohydrate	234-390-0	12040-72-1	match found	match found
	perboric acid, sodium salt	234-390-0	11138-47-9	match found	match found
	perboric acid (HBO(O ₂)), sodium salt, monohydrate	231-556-4	10332-33-9	match not found	match found
006-001-00-2	carbon monoxide	211-128-3	630-08-0	match found	match found
006-021-00-1	linuron (ISO);3-(3,4-dichlorophenyl)-1-methoxy-1-methylurea	206-356-5	330-55-2	match not found	match found
006-038-00-4	sulfallate (ISO);2-chloroallyl N,N-dimethyldithiocarbamate	202-388-9	95-06-7	match not found	match found
006-041-00-0	dimethylcarbamoil chloride	201-208-6	79-44-7	match found	match found
006-068-00-8	diazomethane	206-382-7	334-88-3	match not found	match not found
006-094-00-X	O-isobutyl-N-ethoxy carbonylthiocarbamate	434-350-4	103122-66-3	match not found	match not found
006-102-00-1	O-hexyl-N-ethoxycarbonylthiocarbamate	432-750-3	-	match not found	match not found
007-008-00-3	hydrazine	206-114-9	302-01-2	match found	match found
007-012-00-5	N,N-dimethylhydrazine	200-316-0	57-14-7	match found	match found
007-013-00-0	1,2-dimethylhydrazine	-	540-73-8	match not found	match not found
007-017-00-2	isobutyl nitrite	208-819-7	542-56-3	match not found	match found
007-021-00-4	hydrazobenzene;1,2-diphenylhydrazine	204-563-5	122-66-7	match not found	match found
007-022-00-X	hydrazine bis(3-carboxy-4-hydroxybenzensulfonate)	405-030-1	-	match not found	match not found
009-014-00-1	lead hexafluorosilicate	247-278-1	25808-74-6	match not found	match not found
014-014-00-X	etacelasil (ISO);6-(2-chloroethyl)-6-(2-methoxyethoxy)-2,5,7,10-tetraoxa-6-silaundecane	253-704-7	37894-46-5	match not found	match not found
014-017-00-6	flusilazole (ISO);bis(4-fluorophenyl)(methyl)(1H-1,2,4-triazol-1-ylmethyl)silane	-	85509-19-9	match not found	match found
014-019-00-7	reaction mass of: 4-[[bis-(4-fluorophenyl)methylsilyl]methyl]-4H-1,2,4-triazole;1-[[bis-(4-fluorophenyl)methylsilyl]methyl]-1H-1,2,4-triazole	403-250-2	-	match not found	match not found
014-036-00-X	(4-ethoxyphenyl)(3-(4-fluoro-3-phenoxyphenyl)propyl)dimethylsilane	405-020-7	105024-66-6	match not found	match found
015-102-00-0	tris(2-chloroethyl)phosphate	204-118-5	115-96-8	match found	match found
015-106-00-2	hexamethylphosphoric triamide;hexamethylphosphoramide	211-653-8	680-31-9	match not found	match found
015-155-00-X	glufosinate ammonium (ISO);ammonium 2-amino-4-(hydroxymethylphosphinyl)butyrate	278-636-5	77182-82-2	match not found	match found
015-196-00-3	reaction mass of: dimethyl (2-(hydroxymethylcarbamoil)ethyl)phosphonate;diethyl (2-(hydroxymethylcarbamoil)ethyl)phosphonate;methyl ethyl (2-(hydroxymethylcarbamoil)ethyl)phosphonate	435-960-3	-	match not found	match not found
016-023-00-4	dimethyl sulphate	201-058-1	77-78-1	match found	match found
016-027-00-6	diethyl sulphate	200-589-6	64-67-5	match found	match found
016-032-00-3	1,3-propanesultone;1,2-oxathiolane 2,2-dioxide	214-317-9	1120-71-4	match found	match found
016-033-00-9	dimethylsulfamoylchloride	236-412-4	13360-57-1	match found	match found
016-092-00-0	reaction mass of: 4,7-bis(mercaptomethyl)-3,6,9-trithia-1,11-undecanedithiol;4,8-bis(mercaptomethyl)-3,6,9-trithia-1,11-undecanedithiol;5,7-bis(mercaptomethyl)-3,6,9-trithia-1,11-undecanedithiol	427-050-1	-	match found	match found
024-001-00-0	chromium (VI) trioxide	215-607-8	1333-82-0	match found	match found

Index No.	Name	EC No.	CAS No.	Registered	Notified
024-002-00-6	potassium dichromate	231-906-6	7778-50-9	match found	match found
024-003-00-1	ammonium dichromate	232-143-1	7789-09-5	match found	match found
024-004-00-7	sodium dichromate	234-190-3	10588-01-9	match found	match found
024-005-00-2	chromyl dichloride;chromic oxychloride	239-056-8	14977-61-8	match not found	match found
024-006-00-8	potassium chromate	232-140-5	7789-00-6	match found	match found
024-008-00-9	calcium chromate	237-366-8	13765-19-0	match not found	match found
024-009-00-4	strontium chromate	232-142-6	7789-06-2	match found	match found
024-010-00-X	dichromium tris(chromate);chromium III chromate;chromic chromate	246-356-2	24613-89-6	match found	match found
024-018-00-3	sodium chromate	231-889-5	7775-11-3	match found	match found
027-004-00-5	cobalt dichloride	231-589-4	7646-79-9	match found	match found
027-005-00-0	cobalt sulfate	233-334-2	10124-43-3	match found	match found
027-006-00-6	cobalt acetate	200-755-8	71-48-7	match found	match found
027-009-00-2	cobalt nitrate	233-402-1	10141-05-6	match found	match found
027-010-00-8	cobalt carbonate	208-169-4	513-79-1	match found	match found
028-001-00-1	tetracarbonylnickel;nickel tetracarbonyl	236-669-2	13463-39-3	match not found	match found
028-003-00-2	bunsenite	-	34492-97-2	match not found	match not found
	nickel monoxide	215-215-7	1313-99-1	match found	match found
	nickel oxide	234-323-5	11099-02-8	match not found	match found
028-004-00-8	nickel dioxide	234-823-3	12035-36-8	match not found	match found
028-005-00-3	dinickel trioxide	215-217-8	1314-06-3	match not found	match found
028-006-00-9	nickel (II) sulfide	240-841-2	16812-54-7	match found	match found
	millerite	-	1314-04-1	match not found	match not found
	nickel sulfide	234-349-7	11113-75-0	match not found	match not found
028-007-00-4	trinickel disulfide;nickel subsulfide	234-829-6	12035-72-2	match found	match found
	heazlewoodite	-	12035-71-1	match not found	match not found
028-008-00-X	nickel dihydroxide	235-008-5	12054-48-7	match found	match found
	nickel hydroxide	234-348-1	11113-74-9	match not found	match found
028-009-00-5	nickel sulfate	232-104-9	7786-81-4	match found	match found
028-010-00-0	[μ-[carbonato(2-)-O:O]] dihydroxy trinickel	265-748-4	65405-96-1	match not found	match not found
	nickel carbonate;basic nickel carbonate;carbonic acid, nickel (2+) salt	222-068-2	3333-67-3	match not found	match found
	carbonic acid, nickel salt	240-408-8	16337-84-1	match not found	match found
	[carbonato(2-)] tetrahydroxytrinickel	235-715-9	12607-70-4	match found	match found
028-011-00-6	nickel dichloride	231-743-0	7718-54-9	match found	match found
028-012-00-1	nitric acid, nickel salt	238-076-4	14216-75-2	match not found	match not found
	nickel dinitrate	236-068-5	13138-45-9	match found	match found
028-013-00-7	nickel matte	273-749-6	69012-50-6	match found	match found
028-014-00-2	slimes and sludges, copper electrolytic refining, decopperised, nickel sulfate	295-859-3	92129-57-2	match not found	match not found
028-015-00-8	slimes and sludges, copper electrolyte refining, decopperised	305-433-1	94551-87-8	match not found	match not found
028-016-00-3	nickel diperchlorate;perchloric acid, nickel(II) salt	237-124-1	13637-71-3	match not found	match not found
028-017-00-9	diammonium nickel bis(sulfate)	239-793-2	15699-18-0	match not found	match found
	nickel dipotassium bis(sulfate)	237-563-9	13842-46-1	match not found	match not found
028-018-00-4	nickel bis(sulfamidate);nickel sulfamate	237-396-1	13770-89-3	match found	match found
028-019-00-X	nickel bis(tetrafluoroborate)	238-753-4	14708-14-6	match not found	match found
028-021-00-0	formic acid, copper nickel salt	268-755-0	68134-59-8	match not found	match not found
	formic acid, nickel salt	239-946-6	15843-02-4	match not found	match found
	nickel diformate	222-101-0	3349-06-2	match not found	match found
028-022-00-6	nickel di(acetate)	206-761-7	373-02-4	match found	match found
	nickel acetate	239-086-1	14998-37-9	match not found	match found
028-024-00-7	nickel dibenzoate	209-046-8	553-71-9	match not found	match not found
028-025-00-2	nickel bis(4-cyclohexylbutyrate)	223-463-2	3906-55-6	match not found	match found
028-026-00-8	nickel(II) stearate;nickel(II) octadecanoate	218-744-1	2223-95-2	match not found	match found
028-027-00-3	nickel dilactate	-	16039-61-5	match not found	match not found
028-028-00-9	nickel(II) octanoate	225-656-7	4995-91-9	match not found	match found
028-029-00-4	nickel diiodide	236-666-6	13462-90-3	match not found	match found
	nickel dibromide	236-665-0	13462-88-9	match not found	match found
	nickel potassium fluoride	-	11132-10-8	match not found	match not found
	nickel difluoride	233-071-3	10028-18-9	match found	match found
028-030-00-X	nickel hexafluorosilicate	247-430-7	26043-11-8	match not found	match found
028-031-00-5	nickel selenate	239-125-2	15060-62-5	match not found	match not found
028-032-00-0	nickel phosphinate	252-840-4	36026-88-7	match not found	match found
	diphosphoric acid, nickel(II) salt	-	19372-20-4	match not found	match not found
	nickel bis(dihydrogen phosphate)	242-522-3	18718-11-1	match found	match found
	phosphoric acid, calcium nickel salt	-	17169-61-8	match not found	match not found
	nickel bis(phosphinate)	238-511-8	14507-36-9	match not found	match found
	dinickel diphosphate	238-426-6	14448-18-1	match not found	match found

Index No.	Name	EC No.	CAS No.	Registered	Notified
	nickel hydrogen phosphate	238-278-2	14332-34-4	match	not found
	trinickel bis(orthophosphate)	233-844-5	10381-36-9	match	not found
028-033-00-6	diammonium nickel hexacyanoferrate	-	74195-78-1	match	not found
028-034-00-1	nickel dicyanide	209-160-8	557-19-7	match	not found
028-035-00-7	nickel chromate	238-766-5	14721-18-7	match	not found
028-036-00-2	silicic acid, nickel salt	253-461-7	37321-15-6	match	not found
	nickel silicate (3:4)	250-788-7	31748-25-1	match	not found
	nickel(II) silicate	244-578-4	21784-78-1	match	not found
	dinickel orthosilicate	237-411-1	13775-54-7	match	not found
	trihydrogen hydroxybis[orthosilicato(4-)]trinickelate(3-)	235-688-3	12519-85-6	match	not found
028-037-00-8	dinickel hexacyanoferrate	238-946-3	14874-78-3	match	not found
028-038-00-3	trinickel bis(arsenate);nickel(II) arsenate	236-771-7	13477-70-8	match	not found
028-039-00-9	nickel oxalate	208-933-7	547-67-1	match	found
	oxalic acid, nickel salt	243-867-2	20543-06-0	match	not found
028-040-00-4	nickel telluride	235-260-6	12142-88-0	match	not found
028-041-00-X	trinickel tetrasulfide	-	12137-12-1	match	not found
028-042-00-5	trinickel bis(arsenite)	-	74646-29-0	match	not found
028-043-00-0	cobalt nickel gray periclase;C.I. Pigment Black 25;C.I. 77332	269-051-6	68186-89-0	match	not found
	cobalt nickel dioxide	261-346-8	58591-45-0	match	not found
	cobalt nickel oxide	-	12737-30-3	match	not found
028-044-00-6	nickel tin trioxide;nickel stannate	234-824-9	12035-38-0	match	not found
028-045-00-1	nickel triuranium decaoxide	239-876-6	15780-33-3	match	not found
028-046-00-7	nickel dithiocyanate	237-205-1	13689-92-4	match	not found
028-047-00-2	nickel dichromate	239-646-5	15586-38-6	match	not found
028-048-00-8	nickel(II) selenite	233-263-7	10101-96-9	match	not found
028-049-00-3	nickel selenide	215-216-2	1314-05-2	match	not found
028-050-00-9	silicic acid, lead nickel salt	-	68130-19-8	match	not found
028-051-00-4	nickel arsenide	248-169-1	27016-75-7	match	not found
	nickel diarsenide	235-103-1	12068-61-0	match	not found
028-052-00-X	nickel barium titanium primrose priderite;C.I. Pigment Yellow 157;C.I. 77900	271-853-6	68610-24-2	match	not found
028-053-00-5	ethyl hydrogen sulfate, nickel(II) salt	275-897-7	71720-48-4	match	not found
	nickel dichlorate	267-897-0	67952-43-6	match	not found
	nickel dibromate	238-596-1	14550-87-9	match	not found
028-054-00-0	dimethylhexanoic acid nickel salt	301-323-2	93983-68-7	match	not found
	nickel(II) neononanoate	300-094-6	93920-10-6	match	not found
	nickel(II) neoundecanoate	300-093-0	93920-09-3	match	not found
	fatty acids, C6-19-branched, nickel salts	294-302-1	91697-41-5	match	not found
	(isononanoato-O)(neodecanoato-O)nickel	287-592-6	85551-28-6	match	not found
	(isononanoato-O)(isooctanoato-O)nickel	287-471-8	85508-46-9	match	not found
	(2-ethylhexanoato-O)(isononanoato-O)nickel	287-470-2	85508-45-8	match	not found
	nickel(II) neodecanoate	287-469-7	85508-44-7	match	not found
	nickel(II) isodecanoate	287-468-1	85508-43-6	match	not found
	(isodecanoato-O)(isooctanoato-O)nickel	285-909-2	85166-19-4	match	not found
	(2-ethylhexanoato-O)(neodecanoato-O)nickel	285-698-7	85135-77-9	match	not found
	(2-ethylhexanoato-O)(isodecanoato-O)nickel	284-351-7	84852-39-1	match	not found
	nickel bis(isononanoate)	284-349-6	84852-37-9	match	not found
	(isodecanoato-O)(isononanoato-O)nickel	284-348-0	84852-36-8	match	not found
	(isooctanoato-O)(neodecanoato-O)nickel	284-347-5	84852-35-7	match	not found
	fatty acids, C8-18 and C18-unsaturated, nickel salts	283-972-0	84776-45-4	match	not found
	2-ethylhexanoic acid, nickel salt	231-480-1	7580-31-6	match	not found
	2,7-naphthalenedisulfonic acid, nickel(II) salt	-	72319-19-8	match	not found
	bis(d-gluconato-O1,O2)nickel	276-205-6	71957-07-8	match	not found
	nickel 3,5-bis(tert-butyl)-4-hydroxybenzoate (1:2)	258-051-1	52625-25-9	match	not found
	neodecanoic acid, nickel salt	257-447-1	51818-56-5	match	not found
	nickel bis(2-ethylhexanoate)	224-699-9	4454-16-4	match	found
	nickel bis(benzenesulfonate)	254-642-3	39819-65-3	match	not found
	nickel(II) isooctanoate	249-555-2	29317-63-3	match	not found
	nickel isooctanoate	248-585-3	27637-46-3	match	not found
	citric acid, nickel salt	245-119-0	22605-92-1	match	found
	nickel(II) hydrogen citrate	242-533-3	18721-51-2	match	found
	citric acid, ammonium nickel salt	242-161-1	18283-82-4	match	not found
	nickel(II) trifluoroacetate	240-235-8	16083-14-0	match	not found
	nickel(II) palmitate	237-138-8	13654-40-5	match	not found
	nickel(II) propionate	222-102-6	3349-08-4	match	found
028-055-00-6	nickel(II) sulfite	231-827-7	7757-95-1	match	not found
	molybdenum nickel hydroxide oxide phosphate	268-585-7	68130-36-9	match	not found

Index No.	Name	EC No.	CAS No.	Registered	Notified
	nickel tellurium tetraoxide	239-974-9	15852-21-8	match	not found
	nickel tellurium trioxide	239-967-0	15851-52-2	match	not found
028-056-00-1	nickel boron phosphide	-	65229-23-4	match	not found
	nickel boride	235-723-2	12619-90-8	match	not found
	nickel disilicide	235-379-3	12201-89-7	match	not found
	dinickel silicide	235-033-1	12059-14-2	match	not found
	dinickel phosphide	234-828-0	12035-64-2	match	not found
	trinickel boride	234-495-1	12007-02-2	match	not found
	dinickel boride	234-494-6	12007-01-1	match	not found
	nickel boride (NiB)	234-493-0	12007-00-0	match	not found
028-057-00-7	nickel zirkonium trioxide	274-755-1	70692-93-2	match	not found
	olivine, nickel green	271-112-7	68515-84-4	match	not found
	cobalt dimolybdenum nickel octaoxide	268-169-5	68016-03-5	match	not found
	nickel divanadium hexaoxide	257-970-5	52502-12-2	match	not found
	molybdenum nickel tetraoxide	238-034-5	14177-55-0	match	found
	nickel tungsten tetraoxide	238-032-4	14177-51-6	match	found
	molybdenum nickel oxide	-	12673-58-4	match	not found
	nickel titanium oxide	235-752-0	12653-76-8	match	not found
	nickel titanium trioxide	234-825-4	12035-39-1	match	not found
	lithium nickel dioxide	-	12031-65-1	match	not found
	dialuminium nickel tetraoxide	234-454-8	12004-35-2	match	found
028-058-00-2	cobalt lithium nickel oxide	442-750-5	-	match	not found
033-003-00-0	diarsenic trioxide;arsenic trioxide	215-481-4	1327-53-3	match	found
033-004-00-6	diarsenic pentaoxide;arsenic pentoxide;arsenic oxide	215-116-9	1303-28-2	match	not found
035-003-00-6	potassium bromate	231-829-8	7758-01-2	match	found
048-002-00-0	cadmium (non-pyrophoric)	231-152-8	7440-43-9	match	found
	cadmium oxide (non-pyrophoric)	215-146-2	1306-19-0	match	found
048-006-00-2	cadmium fluoride	232-222-0	7790-79-6	match	not found
048-008-00-3	cadmium chloride	233-296-7	10108-64-2	match	found
048-009-00-9	cadmium sulphate	233-331-6	10124-36-4	match	found
048-010-00-4	cadmium sulphide	215-147-8	1306-23-6	match	found
048-011-00-X	cadmium (pyrophoric)	231-152-8	7440-43-9	match	found
050-022-00-X	dibutyltin dichloride;(DBTC)	211-670-0	683-18-1	match	found
080-001-00-0	mercury	231-106-7	7439-97-6	match	found
082-003-00-7	lead diazide;lead azide	236-542-1	13424-46-9	match	found
082-003-01-4	lead diazide;lead azide [≥ 20 % phlegmatiser]	236-542-1	13424-46-9	match	found
082-004-00-2	lead chromate	231-846-0	7758-97-6	match	not found
082-005-00-8	lead di(acetate)	206-104-4	301-04-2	match	found
082-006-00-3	trilead bis(orthophosphate)	231-205-5	7446-27-7	match	not found
082-007-00-9	lead acetate, basic	215-630-3	1335-32-6	match	not found
082-008-00-4	lead(II) methanesulphonate	401-750-5	17570-76-2	match	found
082-009-00-X	lead sulfochromate yellow;C.I. Pigment Yellow 34;[This substance is identified in the Colour Index by Colour Index Constitution Number C.I. 77603.1]	215-693-7	1344-37-2	match	found
082-010-00-5	lead chromate molybdate sulfate red;C.I. Pigment Red 104;[This substance is identified in the Colour Index by Colour Index Constitution Number C.I. 77605.1]	235-759-9	12656-85-8	match	found
082-011-00-0	lead hydrogen arsenate	232-064-2	7784-40-9	match	not found
601-004-01-8	isobutane (containing ≥ 0,1 % butadiene (203-450-8))	200-857-2	75-28-5	match	found
	butane (containing ≥ 0,1 % butadiene (203-450-8))	203-448-7	106-97-8	match	found
601-013-00-X	1,3-butadiene;buta-1,3-diene	203-450-8	106-99-0	match	found
601-014-00-5	isoprene (stabilised);2-methyl-1,3-butadiene	201-143-3	78-79-5	match	found
601-020-00-8	benzene	200-753-7	71-43-2	match	found
601-032-00-3	benzo[a]pyrene;benzo[def]chrysene	200-028-5	50-32-8	match	not found
601-033-00-9	benz[a]anthracene	200-280-6	56-55-3	match	not found
601-034-00-4	benz[e]acephenanthrylene	205-911-9	205-99-2	match	not found
601-035-00-X	benzo[j]fluoranthene	205-910-3	205-82-3	match	not found
601-036-00-5	benzo[k]fluoranthene	205-916-6	207-08-9	match	not found
601-041-00-2	dibenz[a,h]anthracene	200-181-8	53-70-3	match	not found
601-048-00-0	chrysene	205-923-4	218-01-9	match	not found
601-049-00-6	benzo[e]pyrene	205-892-7	192-97-2	match	not found
601-067-00-4	triethyl arsenate	427-700-2	15606-95-8	match	not found
602-010-00-6	1,2-dibromoethane	203-444-5	106-93-4	match	found
602-012-00-7	1,2-dichloroethane;ethylene dichloride	203-458-1	107-06-2	match	found
602-019-00-5	1-bromopropane;n-propyl bromide	203-445-0	106-94-5	match	found
602-021-00-6	1,2-dibromo-3-chloropropane	202-479-3	96-12-8	match	found
602-023-00-7	vinyl chloride;chloroethylene	200-831-0	75-01-4	match	found
602-024-00-2	bromoethylene	209-800-6	593-60-2	match	found
602-027-00-9	trichloroethylene;trichloroethene	201-167-4	79-01-6	match	found

Index No.	Name	EC No.	CAS No.	Registered	Notified
602-036-00-8	chloroprene (stabilised);2-chlorobuta-1,3-diene (stabilised)	204-818-0	126-99-8	match found	match found
602-037-00-3	α-chlorotoluene;benzyl chloride	202-853-6	100-44-7	match found	match found
602-038-00-9	α,α,α-trichlorotoluene;benzotrithloride	202-634-5	98-07-7	match found	match found
602-062-00-X	1,2,3-trichloropropane	202-486-1	96-18-4	match found	match found
602-064-00-0	1,3-dichloro-2-propanol	202-491-9	96-23-1	match found	match found
602-065-00-6	hexachlorobenzene	204-273-9	118-74-1	match not found	match found
602-073-00-X	1,4-dichlorobut-2-ene	212-121-8	764-41-0	match not found	match found
602-085-00-5	2-bromopropane	200-855-1	75-26-3	match found	match found
602-088-00-1	2,3-dibromopropan-1-ol;2,3-dibromo-1-propanol	202-480-9	96-13-9	match not found	match found
602-093-00-9	α, α,α,4-tetrachlorotoluene;p-chlorobenzotrithloride	226-009-1	5216-25-1	match found	match found
602-094-00-4	diphenylether;octabromo derivate	251-087-9	32536-52-0	match not found	match found
603-011-00-4	2-methoxyethanol;ethylene glycol monomethyl ether	203-713-7	109-86-4	match found	match found
603-012-00-X	2-ethoxyethanol;ethylene glycol monoethyl ether	203-804-1	110-80-5	match found	match found
603-023-00-X	ethylene oxide;oxirane	200-849-9	75-21-8	match found	match found
603-026-00-6	1-chloro-2,3-epoxypropane;epichlorhydrin	203-439-8	106-89-8	match found	match found
603-031-00-3	1,2-dimethoxyethane;ethylene glycol dimethyl ether;EGDME	203-794-9	110-71-4	match found	match found
603-046-00-5	bis(chloromethyl) ether;oxybis(chloromethane)	208-832-8	542-88-1	match not found	match found
603-055-00-4	propylene oxide;1,2-epoxypropane;methylloxirane	200-879-2	75-56-9	match found	match found
603-060-00-1	2,2'-bioxirane;1,2:3,4-diepoxybutane	215-979-1	1464-53-5	match not found	match found
603-063-00-8	2,3-epoxypropan-1-ol;glycidol;oxiranemethanol	209-128-3	556-52-5	match found	match found
603-067-00-X	phenyl glycidyl ether;2,3-epoxypropyl phenyl ether;1,2-epoxy-3-phenoxyp propane	204-557-2	122-60-1	match found	match found
603-075-00-3	chlormethyl methyl ether;chlorodimethyl ether	203-480-1	107-30-2	match not found	match found
603-084-00-2	styrene oxide;(epoxyethyl)benzene;phenylloxirane	202-476-7	96-09-3	match found	match found
603-105-00-5	furan	203-727-3	110-00-9	match not found	match found
603-106-00-0	2-methoxypropanol	216-455-5	1589-47-5	match not found	match found
603-139-00-0	bis(2-methoxyethyl) ether	203-924-4	111-96-6	match found	match found
603-143-00-2	R-2,3-epoxy-1-propanol	404-660-4	57044-25-4	match not found	match found
603-166-00-8	R-1-chloro-2,3-epoxypropane	424-280-2	51594-55-9	match found	match found
603-176-00-2	1,2-bis(2-methoxyethoxy)ethane;TEGDME;triethylene glycol dimethyl ether;triolyme	203-977-3	112-49-2	match found	match found
603-194-00-0	2-(2-aminoethylamino)ethanol;(AEEA)	203-867-5	111-41-1	match found	match found
603-208-00-5	1,2-diethoxyethane	211-076-1	629-14-1	match not found	match found
603-211-00-1	2,3-epoxypropyltrimethylammonium chloride ...%;glycidyl trimethylammonium chloride ...%	221-221-0	3033-77-0	match found	match found
603-221-01-3	1-(2-amino-5-chlorophenyl)-2,2,2-trifluoro-1,1-ethanediol, hydrochloride;[containing ≥ 0.1 % 4-chloroaniline (EC No 203-401-01)]	433-580-2	214353-17-0	match not found	match found
604-024-00-8	4,4-isobutylethylidenediphenol	401-720-1	6807-17-6	match not found	match found
604-028-00-X	4-amino-3-fluorophenol	402-230-0	399-95-1	match not found	match found
604-073-00-5	(E)-3-[1-[4-[2-(dimethylamino)ethoxy]phenyl]-2-phenylbut-1-enyl]phenol	428-010-4	82413-20-5	match not found	match not found
604-076-00-1	phenolphthalein	201-004-7	77-09-8	match found	match found
604-082-00-4	2-chloro-6-fluoro-phenol	433-890-8	2040-90-6	match found	match found
605-020-00-9	safrrole;5-allyl-1,3-benzodioxole	202-345-4	94-59-7	match not found	match found
606-021-00-7	N-methyl-2-pyrrolidone;1-methyl-2-pyrrolidone	212-828-1	872-50-4	match found	match found
606-031-00-1	3-propanolide;1,3-propiolactone	200-340-1	57-57-8	match found	match found
606-062-00-0	tetrahydrothiopyran-3-carboxaldehyde	407-330-8	61571-06-0	match not found	match found
606-073-00-0	4,4'-bis(dimethylamino)benzophenone;Michler's ketone	202-027-5	90-94-8	match not found	match found
606-100-00-6	2-butyryl-3-hydroxy-5-thiocyclohexan-3-yl-cyclohex-2-en-1-one	425-150-8	94723-86-1	match found	match found
606-131-00-5	cyclic 3-(1,2-ethanediylacetate)-estra-5(10),9(11)-diene-3,17-dione	427-230-8	5571-36-8	match found	match found
607-036-00-1	2-methoxyethyl acetate;methylglycol acetate	203-772-9	110-49-6	match not found	match found
607-037-00-7	2-ethoxyethyl acetate;ethylglycol acetate	203-839-2	111-15-9	match not found	match found
607-056-00-0	warfarin (ISO)	201-377-6	81-81-2	match found	match found
	(R)-4-hydroxy-3-(3-oxo-1-phenylbutyl)-2-benzopyrone	226-908-9	5543-58-8	match not found	match found
	(S)-4-hydroxy-3-(3-oxo-1-phenylbutyl)-2-benzopyrone	226-907-3	5543-57-7	match not found	match found
607-149-00-6	urethane (INN);ethyl carbamate	200-123-1	51-79-6	match not found	match found
607-190-00-X	methyl acrylamidomethoxyacetate (containing ≥ 0,1 % acrylamid)	401-890-7	77402-03-0	match not found	match found
607-203-00-9	2-ethylhexyl[[[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]methyl]thio]acetate	279-452-8	80387-97-9	match not found	match not found
607-210-00-7	methyl acrylamidoglycolate (containing ≥ 0,1 % acrylamide)	403-230-3	77402-05-2	match not found	match not found
607-228-00-5	bis(2-methoxyethyl) phthalate	204-212-6	117-82-8	match not found	match found
607-251-00-0	2-methoxypropyl acetate	274-724-2	70657-70-4	match not found	match found
607-304-00-8	fluaizifop-butyl (ISO);butyl (RS)-2-[4-(5-trifluoromethyl-2-pyridyloxy)phenoxy]propionate	274-125-6	69806-50-4	match not found	match found
607-307-00-4	vinclozolin (ISO);N-3,5-dichlorophenyl-5-methyl-5-vinyl-1,3-oxazolidine-2,4-dione	256-599-6	50471-44-8	match not found	match found

Index No.	Name	EC No.	CAS No.	Registered	Notified
607-312-00-1	methoxyacetic acid	210-894-6	625-45-6	match found	match found
607-317-00-9	bis(2-ethylhexyl) phthalate;di-(2-ethylhexyl) phthalate;DEHP	204-211-0	117-81-7	match found	match found
607-318-00-4	dibutyl phthalate;DBP	201-557-4	84-74-2	match found	match found
607-373-00-4	(±) tetrahydrofurfuryl (R)-2-[4-(6-chloroquinoxalin-2-yl)oxy]phenylpropionate	414-200-4	119738-06-6	match not found	match found
607-411-00-X	oxiranemethanol, 4-methylbenzene-sulfonate, (S)-	417-210-7	70987-78-9	match not found	match found
607-426-00-1	1,2-benzenedicarboxylic acid, dipentylester, branched and linear	284-032-2	84777-06-0	match not found	match found
	diisopentylphthalate	210-088-4	605-50-5	match found	match found
	di-n-pentyl phthalate	205-017-9	131-18-0	match not found	match found
607-430-00-3	BBP;benzyl butyl phthalate	201-622-7	85-68-7	match found	match found
607-480-00-6	1,2-benzenedicarboxylic acid;di-C7-11-branched and linear alkylesters	271-084-6	68515-42-4	match not found	match found
607-483-00-2	1,2-benzenedicarboxylic acid;di-C6-8-branched alkylesters, C7-rich	276-158-1	71888-89-6	match not found	match found
607-487-00-4	reaction mass of: disodium 4-(3-ethoxycarbonyl-4-(5-(3-ethoxycarbonyl-5-hydroxy-1-(4-sulfonatophenyl)pyrazol-4-yl)penta-2,4-dienylidene)-4,5-dihydro-5-oxopyrazol-1-yl)benzenesulfonate;trisodium 4-(3-ethoxycarbonyl-4-(5-(3-ethoxycarbonyl-5-oxido-1-(4-sulfonatophenyl)pyrazol-4-yl)penta-2,4-dienylidene)-4,5-dihydro-5-oxopyrazol-1-	402-660-9	-	match not found	match not found
607-504-00-5	diammonium 1-hydroxy-2-(4-(4-carboxyphenylazo)-2,5-dimethoxyphenylazo)-7-amino-3-naphthalenesulfonate	422-670-7	-	match not found	match not found
607-518-00-1	3-oxoandrost-4-ene-17-β-carboxylic acid	414-990-0	302-97-6	match not found	match found
607-623-00-2	diisobutyl phthalate	201-553-2	84-69-5	match found	match found
607-624-00-8	diethanolamine perfluorooctane sulfonate	274-460-8	70225-14-8	match not found	match found
	lithium perfluorooctane sulfonate;lithium heptadecafluorooctanesulfonate	249-644-6	29457-72-5	match not found	match found
	ammonium perfluorooctane sulfonate;ammonium heptadecafluorooctanesulfonate	249-415-0	29081-56-9	match not found	match found
	potassium perfluorooctanesulfonate;potassium heptadecafluorooctane-1-sulfonate	220-527-1	2795-39-3	match not found	match found
	perfluorooctane sulfonic acid;heptadecafluorooctane-1-sulfonic acid	217-179-8	1763-23-1	match not found	match found
607-626-00-9	ethyl 1-(2,4-dichlorophenyl)-5-(trichloromethyl)-1H-1,2,4-triazole-3-carboxylate	401-290-5	103112-35-2	match not found	match found
608-003-00-4	acrylonitrile	203-466-5	107-13-1	match found	match found
609-002-00-1	2-nitropropane	201-209-1	79-46-9	match found	match found
609-007-00-9	dinitrotoluene	246-836-1	25321-14-6	match found	match found
	2,4-dinitrotoluene	204-450-0	121-14-2	match not found	match found
609-019-00-4	lead 2,4,6-trinitro-m-phenylene dioxide;lead 2,4,6-trinitroresorcinoxide;lead styphnate	239-290-0	15245-44-0	match found	match found
609-019-01-1	lead 2,4,6-trinitro-m-phenylene dioxide;lead 2,4,6-trinitroresorcinoxide;lead styphnate (≥ 20 % phlegmatiser)	239-290-0	15245-44-0	match found	match found
609-023-00-6	dinocap (ISO);(RS)-2,6-dinitro-4-octylphenyl crotonates and (RS)-2,4-dinitro-6-octylphenyl crotonates in which "octyl" is a reaction mass of 1-methylheptyl, 1-ethylhexyl and 1-propylpentyl groups	254-408-0	39300-45-3	match not found	match found
609-024-00-1	binapacryl (ISO);2-sec-butyl-4,6-dinitrophenyl-3-methylcrotonate	207-612-9	485-31-4	match not found	match found
609-025-00-7	dinoseb (ISO);6-sec-butyl-2,4-dinitrophenol	201-861-7	88-85-7	match found	match found
609-030-00-4	dinoterb (ISO);2-tert-butyl-4,6-dinitrophenol	215-813-8	1420-07-1	match not found	match found
609-037-00-2	5-nitroacenaphthene	210-025-0	602-87-9	match not found	match found
609-038-00-8	2-nitronaphthalene	209-474-5	581-89-5	match not found	match found
609-039-00-3	4-nitrobiphenyl	202-204-7	92-93-3	match not found	match found
609-040-00-9	nitrofen (ISO);2,4-dichlorophenyl 4-nitrophenyl ether	217-406-0	1836-75-5	match not found	match found
609-047-00-7	2-nitroanisole	202-052-1	91-23-6	match not found	match found
609-049-00-8	2,6-dinitrotoluene	210-106-0	606-20-2	match not found	match found
609-050-00-3	2,3-dinitrotoluene	210-013-5	602-01-7	match not found	match found
609-051-00-9	3,4-dinitrotoluene	210-222-1	610-39-9	match not found	match found
609-052-00-4	3,5-dinitrotoluene	210-566-2	618-85-9	match not found	match not found
609-053-00-X	hydrazine-trinitromethane	414-850-9	-	match not found	match not found
609-055-00-0	2,5-dinitrotoluene	210-581-4	619-15-8	match not found	match found
609-065-00-5	2-nitrotoluene	201-853-3	88-72-2	match found	match found
611-001-00-6	azobenzene	203-102-5	103-33-3	match not found	match found
611-004-00-2	methyl-ONN-azoxymethyl acetate;methyl azoxy methyl acetate	209-765-7	592-62-1	match not found	match not found
611-005-00-8	disodium {}{5-[(4'-((2,6-hydroxy-3-((2-hydroxy-5-sulphophenyl)azo)phenyl)azo)(1,1'-biphenyl)-4-yl)azo]salicylate(4-)}{}}cuprate(2-);CI Direct Brown 95	240-221-1	16071-86-6	match not found	match not found
611-006-00-3	4-o-tolylazo-o-toluidine;4-amino-2',3'-dimethylazobenzene;fast garnet GBC base;AAT;o-aminoazotoluene	202-591-2	97-56-3	match not found	match found

Index No.	Name	EC No.	CAS No.	Registered	Notified
611-008-00-4	4-aminoazobenzene;4-phenylazoaniline	200-453-6	60-09-3	match found	match found
611-025-00-7	disodium 4-amino-3-[[4'-[[2,4-diaminophenyl]azo][1,1'-biphenyl]-4-yl]azo]-5-hydroxy-6-(phenylazo)naphthalene-2,7-disulphonate;C.I. Direct Black 38	217-710-3	1937-37-7	match not found	match found
611-026-00-2	tetrasodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis[5-amino-4-hydroxynaphthalene-2,7-disulphonate];C.I. Direct Blue 6	220-012-1	2602-46-2	match not found	match found
611-027-00-8	disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate);C.I. Direct Red 28	209-358-4	573-58-0	match not found	match found
611-031-00-X	4,4'-(4-iminocyclohexa-2,5-dienyldienemethylene)dianiline hydrochloride;C.I. Basic Red 9	209-321-2	569-61-9	match not found	match found
611-032-00-5	1,4,5,8-tetraaminoanthraquinone;C.I. Disperse Blue 1	219-603-7	2475-45-8	match not found	match found
611-057-00-1	6-hydroxy-1-(3-isopropoxypropyl)-4-methyl-2-oxo-5-[4-(phenylazo)phenylazo]-1,2-dihydro-3-pyridinecarbonitrile	400-340-3	85136-74-9	match not found	match not found
611-058-00-7	(6-(4-hydroxy-3-(2-methoxyphenylazo)-2-sulfonato-7-naphthylamino)-1,3,5-triazin-2,4-diyl)bis[(amino-1-methyl-ethylammonium] formate	402-060-7	108225-03-2	match not found	match found
611-063-00-4	trisodium [4'-(8-acetylamino-3,6-disulfonato-2-naphthylazo)-4''-(6-benzoylamino-3-sulfonato-2-naphthylazo)-biphenyl-1,3',3'',1'''-tetraolato-O,O',O'',O''']copper(II)	413-590-3	164058-22-4	match not found	match not found
611-099-00-0	(methylenebis(4,1-phenylenazo(1-(3-(dimethylamino)propyl)-1,2-dihydro-6-hydroxy-4-methyl-2-oxopyridine-5,3-diyl)))1,1'-dipyridinium dichloride dihydrochloride	401-500-5	118658-99-4	match not found	match found
611-131-00-3	2-[2-hydroxy-3-(2-chlorophenyl)carbonyl-1-naphthylazo]-7-[2-hydroxy-3-(3-methylphenyl)carbonyl-1-naphthylazo]fluoren-9-one	420-580-2	151798-26-4	match not found	match not found
611-140-00-2	azafenidin (ISO);2-(2,4-dichloro-5-prop-2-ynyloxyphenyl)-5,6,7,8-tetrahydro-1,2,4-triazolo[4,3-a]pyridin-3(2H)-one	-	68049-83-2	match not found	match found
612-022-00-3	2-naphthylamine	202-080-4	91-59-8	match not found	match found
612-023-00-9	phenylhydrazinium chloride phenylhydrazinium sulphate (2:1) phenylhydrazine hydrochloride phenylhydrazine	200-444-7 257-622-2 248-259-0 202-873-5	59-88-1 52033-74-6 27140-08-5 100-63-0	match not found match not found match not found match found	match found match found match not found match found
612-035-00-4	2-methoxyaniline;o-anisidine	201-963-1	90-04-0	match found	match found
612-036-00-X	3,3'-dimethoxybenzidine;o-dianisidine	204-355-4	119-90-4	match not found	match found
612-041-00-7	4,4'-bi-o-toluidine	204-358-0	119-93-7	match not found	match found
612-042-00-2	benzidine;1,1'-biphenyl-4,4'-diamine;4,4'-diaminobiphenyl;biphenyl-4,4'-ylenediamine	202-199-1	92-87-5	match not found	match found
612-044-00-3	N,N'-diacetylbenzidine	210-338-2	613-35-4	match not found	match found
612-051-00-1	4,4'-diaminodiphenylmethane;4,4'-methylenedianiline	202-974-4	101-77-9	match found	match found
612-068-00-4	3,3'-dichlorobenzidine;3,3'-dichlorobiphenyl-4,4'-ylenediamine	202-109-0	91-94-1	match not found	match found
612-070-00-5	salts of benzidine [salts of benzidine [salts of benzidine [salts of benzidine [salts of benzidine [208-520-1 208-519-6 252-984-8 244-236-4	531-86-2 531-85-1 36341-27-2 21136-70-9	match not found match not found match not found match not found	match found match found match not found match not found
612-071-00-0	salts of 2-naphthylamine salts of 2-naphthylamine	210-313-6 209-030-0	612-52-2 553-00-4	match not found match not found	match not found match not found
612-072-00-6	biphenyl-4-ylamine;xenylamine;4-aminobiphenyl	202-177-1	92-67-1	match not found	match found
612-077-00-3	dimethylnitrosoamine;N-nitrosodimethylamine	200-549-8	62-75-9	match not found	match found
612-078-00-9	2,2'-dichloro-4,4'-methylenedianiline;4,4'-methylene bis(2-chloroaniline)	202-918-9	101-14-4	match found	match found
612-081-00-5	salts of 4,4'-bi-o-toluidine;salts of 3,3'-dimethylbenzidine;salts of o-tolidine salts of 4,4'-bi-o-toluidine;salts of 3,3'-dimethylbenzidine;salts of o-tolidine salts of 4,4'-bi-o-toluidine;salts of 3,3'-dimethylbenzidine;salts of o-tolidine	277-985-0 265-294-7 210-322-5	74753-18-7 64969-36-4 612-82-8	match not found match not found match not found	match not found match not found match found
612-083-00-6	1-methyl-3-nitro-1-nitrosoguanidine	200-730-1	70-25-7	match not found	match found
612-085-00-7	4,4'-methylenedi-o-toluidine	212-658-8	838-88-0	match found	match found
612-090-00-4	2,2'-(nitrosoimino)bisethanol	214-237-4	1116-54-7	match not found	match found
612-091-00-X	o-toluidine;2-aminotoluene	202-429-0	95-53-4	match found	match found
612-098-00-8	nitrosodipropylamine	210-698-0	621-64-7	match not found	match found
612-099-00-3	4-methyl-m-phenylenediamine;2,4-toluenediamine	202-453-1	95-80-7	match found	match found
612-126-00-9	toluene-2,4-diammonium sulphate;4-methyl-m-phenylenediamine sulfate	265-697-8	65321-67-7	match not found	match not found
612-137-00-9	4-chloroaniline	203-401-0	106-47-8	match found	match found
612-196-00-0	4-chloro-o-toluidine 4-chloro-o-toluidine hydrochloride	202-441-6 221-627-8	95-69-2 3165-93-3	match not found match not found	match found match found
612-197-00-6	2,4,5-trimethylaniline hydrochloride 2,4,5-trimethylaniline	- 205-282-0	21436-97-5 137-17-7	match not found match not found	match not found match found

Index No.	Name	EC No.	CAS No.	Registered	Notified
612-198-00-1	4,4'-thiodianiline and its salts	205-370-9	139-65-1	match	not found
612-199-00-7	4,4'-oxydianiline and its salts;p-aminophenyl ether	202-977-0	101-80-4	match found	match found
612-200-00-0	2,4-diaminoanisole;4-methoxy-m-phenylenediamine	210-406-1	615-05-4	match not found	match found
	2,4-diaminoanisole sulphate	254-323-9	39156-41-7	match not found	match not found
612-201-00-6	N,N,N',N'-tetramethyl-4,4'-methylenedianiline	202-959-2	101-61-1	match not found	match found
612-205-00-8	C.I. Basic Violet 3 with ≥ 0.1 % of Michler's ketone (EC no. 202-027-5)	208-953-6	548-62-9	match found	match found
612-209-00-X	6-methoxy-m-toluidine;p-cresidine	204-419-1	120-71-8	match found	match found
612-239-00-3	biphenyl-3,3',4,4'-tetrayltetraamine;diaminobenzidine	202-110-6	91-95-2	match not found	match found
612-246-00-1	(2-chloroethyl)(3-hydroxypropyl)ammonium chloride	429-740-6	40722-80-3	match not found	match not found
612-250-00-3	chloro-N,N-dimethylformiminium chloride	425-970-6	3724-43-4	match found	match found
612-253-01-7	7-methoxy-6-(3-morpholin-4-yl-propoxy)-3H-quinazolin-4-one;[containing ≥ 0.5 % formamide (EC No 200-842-0)]	429-400-7	199327-61-2	match found	match found
612-280-00-7	3-amino-9-ethyl carbazole;9-ethylcarbazol-3-ylamine	205-057-7	132-32-1	match not found	match found
613-001-00-1	ethyleneimine;aziridine	205-793-9	151-56-4	match found	match found
613-020-00-5	tridemorph (ISO);2,6-dimethyl-4-tridecylmorpholine	246-347-3	24602-86-6	match not found	match found
613-033-00-6	2-methylaziridine;propyleneimine	200-878-7	75-55-8	match found	match found
613-039-00-9	ethylene thiourea;imidazolidine-2-thione;2-imidazoline-2-thiol	202-506-9	96-45-7	match found	match found
613-046-00-7	captafol (ISO);1,2,3,6-tetrahydro-N-(1,1,2,2-tetrachloroethylthio)phthalimide	219-363-3	2425-06-1	match not found	match found
613-048-00-8	carbendazim (ISO);methyl benzimidazol-2-ylcarbamate	234-232-0	10605-21-7	match not found	match found
613-049-00-3	benomyl (ISO);methyl 1-(butylcarbamoyl)benzimidazol-2-ylcarbamate	241-775-7	17804-35-2	match not found	match found
613-050-00-9	carbadox (INN);methyl 3-(quinoxalin-2-ylmethylene)carbazate 1,4-dioxide;2-(methoxycarbonylhydrazonomethyl)quinoxaline 1,4-dioxide	229-879-0	6804-07-5	match not found	match found
613-140-00-8	cycloheximide (ISO);4-{{(2R)-2-[(1S,3S,5S)-3,5-dimethyl-2-oxocyclohexyl]-2-hydroxyethyl}}piperidine-2,6-dione	200-636-0	66-81-9	match not found	match found
613-166-00-X	flumioxazin (ISO);N-(7-fluoro-3,4-dihydro-3-oxo-4-prop-2-ynyl-2H-1,4-benzoxazin-6-yl)cyclohex-1-ene-1,2-dicarboxamide		103361-09-7	match not found	match found
613-191-00-6	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	421-150-7	143860-04-2	match found	match found
613-199-00-X	reaction mass of: 1,3,5-tris(3-aminomethylphenyl)-1,3,5-(1H,3H,5H)-triazine-2,4,6-trione;reaction mass of oligomers of 3,5-bis(3-aminomethylphenyl)-1-poly[3,5-bis(3-aminomethylphenyl)-2,4,6-trioxo-1,3,5-(1H,3H,5H)-triazin-1-yl]-1,2,5-(1H,3H,5H)-triazine-2,4,6-trione	421-550-1	-	match not found	match not found
613-204-00-5	oxadiargyl (ISO);3-[2,4-dichloro-5-(2-propynyloxy)phenyl]-5-(1,1-dimethylethyl)-1,3,4-oxadiazol-2(3H)-one;5-tert-butyl-3-[2,4-dichloro-5-(prop-2-ynyloxy)phenyl]-1,3,4-oxadiazol-2(3H)-one	254-637-6	39807-15-3	match not found	match found
613-281-00-5	quinoline	202-051-6	91-22-5	match found	match found
613-283-00-6	ketoconazole;1-[4-[4-[[[(2SR,4RS)-2-(2,4-dichlorophenyl)-2-(imidazol-1-ylmethyl)-1,3-dioxolan-4-yl]methoxy]phenyl]piperazin-1-yl]ethanone	265-667-4	65277-42-1	match not found	match found
613-286-01-X	potassium 1-methyl-3-morpholinocarbonyl-4-[3-(1-methyl-3-morpholinocarbonyl-5-oxo-2-pyrazolin-4-ylidene)-1-propenyl]pyrazole-5-olate;[containing ≥ 0.5 % N,N-dimethylformamide (EC No 200-679-5)]	418-260-2	183196-57-8	match not found	match not found
614-005-00-6	colchicine	200-598-5	64-86-8	match found	match found
615-021-00-6	1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione: TGIC	219-514-3	2451-62-9	match found	match found
616-001-00-X	N,N-dimethylformamide;dimethyl formamide	200-679-5	68-12-2	match found	match found
616-003-00-0	acrylamide;prop-2-enamide	201-173-7	79-06-1	match found	match found
616-011-00-4	N,N-dimethylacetamide	204-826-4	127-19-5	match found	match found
616-026-00-6	thioacetamide	200-541-4	62-55-5	match found	match found
616-052-00-8	formamide	200-842-0	75-12-7	match found	match found
616-053-00-3	N-methylacetamide	201-182-6	79-16-3	match found	match found
616-056-00-X	N-methylformamide	204-624-6	123-39-7	match found	match found
616-057-00-5	reaction mass of: N-[3-hydroxy-2-(2-methylacryloylaminomethoxy)propoxymethyl]-2-methylacrylamide;N-[2,3-bis(2-methylacryloylaminomethoxy)propoxymethyl]-2-methylacrylamide;methacrylamide;2-methyl-N-(2-methylacryloylaminomethoxymethyl)-acrylamide;N-(2,3-	412-790-8	-	match not found	match not found
616-091-00-0	1,3,5-tris-[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione	423-400-0	59653-74-6	match not found	match found
616-148-00-X	N-[6,9-dihydro-9-[[[2-hydroxy-1-(hydroxymethyl)ethoxy]methyl]6-oxo-1H-purin-2-yl]acetamide	424-550-1	84245-12-5	match not found	match not found
616-180-00-4	N,N-(dimethylamino)thioacetamide hydrochloride	435-470-1	27366-72-9	match not found	match found

Index No.	Name	EC No.	CAS No.	Registered	Notified
648-001-00-0	Distillates (coal tar), benzole fraction;Light Oil;[A complex combination of hydrocarbons obtained by the distillation of coal tar. It consists of hydrocarbons having carbon numbers primarily in the range of C4 to C10 and distilling in the approximate range of 80 oC to 160 oC (175 oF to 320 oF).]	283-482-7	84650-02-2	match found	match found
648-002-00-6	Tar oils, brown-coal;Light Oil;[The distillate from lignite tar boiling in the range of approximately 80°C to 250°C (176°F to 482°F). Composed primarily of aliphatic and aromatic hydrocarbons and monobasic phenols.]	302-674-4	94114-40-6	match not found	match not found
648-003-00-1	Benzol forerunnings (coal);Light Oil Redistillate, low boiling;[The distillate from coke oven light oil having an approximate distillation range below 100°C (212°F). Composed primarily of C4 to C6 aliphatic hydrocarbons.]	266-023-5	65996-88-5	match not found	match not found
648-004-00-7	Distillates (coal tar), benzole fraction, BTX-rich;Light Oil Redistillate, low boiling;[A residue from the distillation of crude benzole to remove benzole fronts. Composed primarily of benzene, toluene and xylenes boiling in the range of approximately 75°C to 200°C (167°F to 392°F).]	309-984-9	101896-26-8	match found	match found
648-005-00-2	Aromatic hydrocarbons, C6-10, C8-rich;Light Oil Redistillate, low boiling	292-697-5	90989-41-6	match found	match found
648-006-00-8	Solvent naphtha (coal), light;Light Oil Redistillate, low boiling	287-498-5	85536-17-0	match not found	match found
648-007-00-3	Solvent naphtha (coal), xylene-styrene cut;Light Oil Redistillate, intermediate boiling	287-502-5	85536-20-5	match found	match found
648-008-00-9	Solvent naphtha (coal), coumarone-styrene contg.;Light Oil Redistillate, intermediate boiling	287-500-4	85536-19-2	match not found	match found
648-009-00-4	Naphtha (coal), distn. residues;Light Oil Redistillate, high boiling;[The residue remaining from the distillation of recovered naphtha. Composed primarily of naphthalene and condensation products of indene and styrene.]	292-636-2	90641-12-6	match found	match found
648-010-00-X	Aromatic hydrocarbons, C8;Light Oil Redistillate, high boiling	292-694-9	90989-38-1	match found	match found
648-012-00-0	Aromatic hydrocarbons, C8-9, hydrocarbon resin polymn. by-product;Light Oil Redistillate, high boiling;[A complex combination of hydrocarbons obtained from the evaporation of solvent under vacuum from polymerized hydrocarbon resin. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C8 through C9 and boiling in the range of approximately 120°C to 215°C (248°F to 419°F).]	295-281-1	91995-20-9	match not found	match not found
648-013-00-6	Aromatic hydrocarbons, C9-12, benzene distn.;Light Oil Redistillate, high boiling	295-551-9	92062-36-7	match found	match found
648-014-00-1	Extract residues (coal), benzole fraction alk., acid ext.;Light Oil Extract Residues, low boiling;[The redistillate from the distillate, freed of tar acids and tar bases, from bituminous coal high temperature tar boiling in the approximate range of 90°C to 160°C (194°F to 320°F). It consists predominantly of benzene, toluene and xylenes.]	295-323-9	91995-61-8	match not found	match not found
648-015-00-7	Extract residues (coal tar), benzole fraction alk., acid ext.;Light Oil Extract Residues, low boiling;[A complex combination of hydrocarbons obtained by the redistillation of the distillate of high temperature coal tar (tar acid and tar base free). It consists predominantly of unsubstituted and substituted mononuclear aromatic hydrocarbons boiling in the range of 85°C to 195°C (185°F to 383°F).]	309-868-8	101316-63-6	match not found	match not found
648-016-00-2	Extract residues (coal), benzole fraction acid;Light Oil Extract Residues, low boiling;[An acid sludge by-product of the sulfuric acid refining of crude high temperature coal. Composed primarily of sulfuric acid and organic compounds.]	298-725-2	93821-38-6	match found	match found
648-017-00-8	Extract residues (coal), light oil alk., distn. overheads;Light Oil Extract Residues, low boiling;[The first fraction from the distillation of aromatic hydrocarbons, coumarone, naphthalene and indene rich prefractionator bottoms or washed carbolic oil boiling substantially below 145°C (293°F). Composed primarily of C7 and C8 aliphatic and aromatic hydrocarbons.]	292-625-2	90641-02-4	match not found	match not found
648-018-00-3	Extract residues (coal), light oil alk., acid ext., indene fraction;Light Oil Extract Residues, intermediate boiling	309-867-2	101316-62-5	match found	match found
648-019-00-9	Extract residues (coal), light oil alk., indene naphtha fraction;Light Oil Extract Residues, high boiling;[The distillate from aromatic hydrocarbons, coumarone, naphthalene and indene rich prefractionator bottoms or washed carbolic oils, having an approximate boiling range of 155°C to 180°C (311°F to 356°F). Composed primarily of indene, indan and	292-626-8	90641-03-5	match not found	match not found

Index No.	Name	EC No.	CAS No.	Registered	Notified
648-020-00-4	Solvent naphtha (coal);Light Oil Extract Residues, high boiling;[The distillate from either high temperature coal tar, coke oven light oil, or coal tar oil alkaline extract residue having an approximate distillation range of 130°C to 210°C (266°F to 410°F). Composed primarily of indene and other polycyclic ring systems containing a single aromatic ring. May contain phenolic compounds and aromatic nitrogen bases.]	266-013-0	65996-79-4	match found	match found
648-021-00-X	Distillates (coal tar), light oils, neutral fraction;Light Oil Extract Residues, high boiling;[A distillate from the fractional distillation of high temperature coal tar. Composed primarily of alkyl-substituted one ring aromatic hydrocarbons boiling in the range of approximately 135°C to 210°C (275°F to 410°F). May also include unsaturated hydrocarbons such as indene and coumarone.]	309-971-8	101794-90-5	match not found	match not found
648-022-00-5	Distillates (coal tar), light oils, acid exts.;Light Oil Extract Residues, high boiling;[This oil is a complex reaction mass of aromatic hydrocarbons, primarily indene, naphthalene, coumarone, phenol, and o-, m- and p-cresol and boiling in the range of 140°C to 215°C (284°F to 419°F).]	292-609-5	90640-87-2	match not found	match not found
648-023-00-0	Distillates (coal tar), light oils;Carbolic Oil;[A complex combination of hydrocarbons obtained by distillation of coal tar. It consists of aromatic and other hydrocarbons, phenolic compounds and aromatic nitrogen compounds and distills at the approximate range of 150°C to 210°C (302°F to 410°F).]	283-483-2	84650-03-3	match found	match found
648-024-00-6	Tar oils, coal;Carbolic Oil;[The distillate from high temperature coal tar having an approximate distillation range of 130°C to 250°C (266°F to 410°F). Composed primarily of naphthalene, alkylnaphthalenes, phenolic compounds, and aromatic nitrogen bases.]	266-016-7	65996-82-9	match not found	match not found
648-026-00-7	Extract residues (coal), light oil alk., acid ext.;Carbolic Oil Extract Residue;[The oil resulting from the acid washing of alkali-washed carbolic oil to remove the minor amounts of basic compounds (tar bases). Composed primarily of indene, indan and alkylbenzenes.]	292-624-7	90641-01-3	match not found	match not found
648-027-00-2	Extract residues (coal), tar oil alk.;Carbolic Oil Extract Residue;[The residue obtained from coal tar oil by an alkaline wash such as aqueous sodium hydroxide after the removal of crude coal tar acids. Composed primarily of naphthalenes and aromatic nitrogen bases.]	266-021-4	65996-87-4	match found	match found
648-028-00-8	Extract oils (coal), light oil;Acid Extract;[The aqueous extract produced by an acidic wash of alkali-washed carbolic oil. Composed primarily of acid salts of various aromatic nitrogen bases including pyridine, quinoline and their alkyl derivatives.]	292-622-6	90640-99-6	match not found	match not found
648-029-00-3	Pyridine, alkyl derivs.;Crude Tar Bases;[The complex combination of polyalkylated pyridines derived from coal tar distillation or as high-boiling distillates approximately above 150°C (302°F) from the reaction of ammonia with acetaldehyde, formaldehyde or paraformaldehyde.]	269-929-9	68391-11-7	match not found	match found
648-030-00-9	Tar bases, coal, picoline fraction;Distillate Bases;[Pyridine bases boiling in the range of approximately 125°C to 160°C (257°F to 320°F) obtained by distillation of neutralized acid extract of the base-containing tar fraction obtained by the distillation of bituminous coal tars. Composed chiefly of lutidines and picolines.]	295-548-2	92062-33-4	match not found	match not found
648-031-00-4	Tar bases, coal, lutidine fraction;Distillate Bases	293-766-2	91082-52-9	match not found	match found
648-032-00-X	Extract oils (coal), tar base, collidine fraction;Distillate Bases;[The extract produced by the acidic extraction of bases from crude coal tar aromatic oils, neutralization, and distillation of the bases. Composed primarily of collidines, aniline, toluidines, lutidines, and toluidines.]	273-077-3	68937-63-3	match not found	match not found
648-033-00-5	Tar bases, coal, collidine fraction;Distillate Bases;[The distillation fraction boiling in the range of approximately 181 °C to 186 °C (356 °F to 367 °F) from the crude bases obtained from the neutralized, acid-extracted base-containing tar fractions obtained by the distillation of bituminous coal tar. It contains chiefly aniline and collidines.]	295-543-5	92062-28-7	match not found	match not found
648-034-00-0	Tar bases, coal, aniline fraction;Distillate Bases;[The distillation fraction boiling in the range of approximately 180 °C to 200 °C (356 °F to 392 °F) from the crude bases obtained by dephenolating and debasing the carbolated oil from the distillation of coal tar. It contains chiefly aniline, collidines, lutidines and toluidines.]	295-541-4	92062-27-6	match not found	match not found
648-035-00-6	Tar bases, coal, toluidine fraction;Distillate Bases	293-767-8	91082-53-0	match not found	match not found

Index No.	Name	EC No.	CAS No.	Registered	Notified
648-036-00-1	Distillates (petroleum), alkene-alkyne manuf. pyrolysis oil, mixed with high-temp. coal tar, indene fraction;Redistillates;[A complex combination of hydrocarbons obtained as a redistillate from the fractional distillation of bituminous coal high temperature tar and residual oils that are obtained by the pyrolytic production of alkenes and alkynes from petroleum products or natural gas. It consists predominantly of indene and boils in a range of approximately 160°C to 190°C (320°F to 374°F).]	295-292-1	91995-31-2	match	not found
648-037-00-7	Distillates (coal), coal tar-residual pyrolysis oils, naphthalene oils;Redistillates;[The redistillate obtained from the fractional distillation of bituminous coal high temperature tar and pyrolysis residual oils and boiling in the range of approximately 190°C to 270°C (374°F to 518°F). Composed primarily of substituted dinuclear aromatics.]	295-295-8	91995-35-6	match	not found
648-038-00-2	Extract oils (coal), coal tar-residual pyrolysis oils, naphthalene oil, redistillate;Redistillates;[The redistillate from the fractional distillation of dephenolated and debased methylnaphthalene oil obtained from bituminous coal high temperature tar and pyrolysis residual oils boiling in the approximate range of 220°C to 230°C (428°F to 446°F). It consists predominantly of unsubstituted and substituted dinuclear aromatic hydrocarbons.]	295-329-1	91995-66-3	match	not found
648-039-00-8	Extract oils (coal), coal tar-residual pyrolysis oils, naphthalene oils;Redistillates;[A neutral oil obtained by debasing and dephenolating the oil obtained from the distillation of high temperature tar and pyrolysis residual oils which has a boiling range of 225°C to 255°C (437°F to 491°F). Composed primarily of substituted dinuclear aromatic hydrocarbons.]	310-170-0	122070-79-5	match	not found
648-040-00-3	Extract oils (coal), coal tar residual pyrolysis oils, naphthalene oil, distn. residues;Redistillates;[Residue from the distillation of dephenolated and debased methylnaphthalene oil (from bituminous coal tar and pyrolysis residual oils) with a boiling range of 240°C to 260°C (464°F to 500°F). Composed primarily of substituted dinuclear aromatic and heterocyclic hydrocarbons.]	310-171-6	122070-80-8	match	not found
648-041-00-9	Absorption oils, bicyclo arom. and heterocyclic hydrocarbon fraction;Wash Oil Redistillate;[A complex combination of hydrocarbons obtained as a redistillate from the distillation of wash oil. It consists predominantly of 2-ringed aromatic and heterocyclic hydrocarbons boiling in the range of approximately 260 oC to 290 oC (500 oF to 554 oF).]	309-851-5	101316-45-4	match	not found
648-042-00-4	Distillates (coal tar), upper, fluorene-rich;Wash Oil Redistillate;[A complex combination of hydrocarbons obtained by the crystallization of tar oil. It consists of aromatic and polycyclic hydrocarbons primarily fluorene and some acenaphthene.]	284-900-0	84989-11-7	match	found
648-043-00-X	Creosote oil, acenaphthene fraction, acenaphthene-free;Wash Oil Redistillate;[The oil remaining after removal by a crystallization process of acenaphthene from acenaphthene oil from coal tar. Composed primarily of naphthalene and alkyl naphthalenes.]	292-606-9	90640-85-0	match	not found
648-044-00-5	Distillates (coal tar), heavy oils;Heavy Anthracene Oil;[Distillate from the fractional distillation of coal tar of bituminous coal, with boiling range of 240 oC to 400 oC (464 oF to 752 oF). Composed primarily of tri- and polynuclear hydrocarbons and heterocyclic compounds.]	292-607-4	90640-86-1	match	found
648-045-00-0	Distillates (coal tar), upper;Heavy Anthracene Oil;[The distillate from coal tar having an approximate distillation range of 220 oC to 450 oC (428 oF to 842 oF). Composed primarily of three to four membered condensed ring aromatic hydrocarbons and other hydrocarbons.]	266-026-1	65996-91-0	match	not found
648-046-00-6	Anthracene oil, acid ext.;Anthracene Oil Extract Residue;[A complex combination of hydrocarbons from the base-freed fraction obtained from the distillation of coal tar and boiling in the range of approximately 325 oC to 365 oC (617 oF to 689 oF). It contains predominantly anthracene and phenanthrene and their alkyl derivatives.]	295-274-3	91995-14-1	match	not found
648-047-00-1	Distillates (coal tar);Heavy Anthracene Oil;[The distillate from coal tar having an approximate distillation range of 100 oC to 450 oC (212 oF to 842 oF). Composed primarily of two to four membered condensed ring aromatic hydrocarbons, phenolic compounds, and aromatic nitrogen bases.]	266-027-7	65996-92-1	match	found

Index No.	Name	EC No.	CAS No.	Registered	Notified
648-048-00-7	Distillates (coal tar), pitch, heavy oils;Heavy Anthracene Oil;[The distillate from the distillation of the pitch obtained from bituminous high temperature tar. Composed primarily of tri- and polynuclear aromatic hydrocarbons and boiling in the range of approximately 300 oC to 470 oC (572 oF to 878 oF). The product may also contain heteroatoms.]	295-312-9	91995-51-6	match	not found
648-049-00-2	Distillates (coal tar), pitch;Heavy Anthracene Oil;[The oil obtained from condensation of the vapors from the heat treatment of pitch. Composed primarily of two- to four-ring aromatic compounds boiling in the range of 200 oC to greater than 400 oC (392 oF to greater than 752 oF).]	309-855-7	101316-49-8	match found	match found
648-050-00-8	Distillates (coal tar), heavy oils, pyrene fraction;Heavy Anthracene Oil Redistillate;[The redistillate obtained from the fractional distillation of pitch distillate boiling in the range of approximately 350 oC to 400 oC (662 oF to 752 oF). Consists predominantly of tri- and polynuclear aromatics and heterocyclic hydrocarbons.]	295-304-5	91995-42-5	match	not found
648-051-00-3	Distillates (coal tar), pitch, pyrene fraction;Heavy Anthracene Oil Redistillate;[The redistillate obtained from the fractional distillation of pitch distillate and boiling in the range of approximately 380 oC to 410 oC (716 to 770 oF). Composed primarily of tri- and polynuclear aromatic hydrocarbons and heterocyclic compounds.]	295-313-4	91995-52-7	match	not found
648-052-00-9	Paraffin waxes (coal), brown-coal high-temp. tar, carbon-treated;Coal Tar Extract;[A complete combination of hydrocarbons obtained by the treatment of lignite carbonization tar with activated carbon for removal of trace constituents and impurities. It consists predominantly of saturated straight and branched chain hydrocarbons having carbon numbers predominantly greater than C12.]	308-296-6	97926-76-6	match	not found
648-053-00-4	Paraffin waxes (coal), brown-coal high-temp tar, clay-treated;Coal Tar Extract;[A complex combination of hydrocarbons obtained by the treatment of lignite carbonization tar with bentonite for removal of trace constituents and impurities. It consists predominantly of saturated straight and branched chain hydrocarbons having carbon numbers predominantly greater than C12.]	308-297-1	97926-77-7	match	not found
648-054-00-X	Pitch;Pitch	263-072-4	61789-60-4	match	not found
648-055-00-5	Pitch, coal tar, high-temp.;Pitch;[The residue from the distillation of high temperature coal tar. A black solid with an approximate softening point from 30 oC to 180 oC (86 oF to 356 oF). Composed primarily of a complex mixture of three or more membered condensed ring aromatic hydrocarbons.]	266-028-2	65996-93-2	match found	match found
648-056-00-0	Pitch, coal tar, high-temp., heat-treated;Pitch;[The heat treated residue from the distillation of high temperature coal tar. A black solid with an approximate softening point from 80 oC to 180 oC (176 oF to 356 oF). Composed primarily of a complex mixture of three or more membered condensed ring aromatic hydrocarbons.]	310-162-7	121575-60-8	match found	match found
648-057-00-6	Pitch, coal tar, high-temp., secondary;Pitch Redistillate;[The residue obtained during the distillation of high boiling fractions from bituminous coal high temperature tar and/or pitch coke oil, with a softening point of 140 oC to 170 oC (284 oF to 392 oF) according to DIN 52025. Composed primarily of tri- and polynuclear aromatic compounds which also contain heteroatoms.]	302-650-3	94114-13-3	match	not found
648-058-00-1	Residues (coal tar), pitch distn.;Pitch Redistillate;[Residue from the fractional distillation of pitch distillate boiling in the range of approximately 400 oC to 470 oC (752 oF to 846 oF). Composed primarily of polynuclear aromatic hydrocarbons, and heterocyclic compounds.]	295-507-9	92061-94-4	match	not found
648-059-00-7	Tar, coal, high-temp., distn. and storage residues;Coal Tar Solids Residue;[Coke- and ash-containing solid residues that separate on distillation and thermal treatment of bituminous coal high temperature tar in distillation installations and storage vessels. Consists predominantly of carbon and contains a small quantity of hetero compounds as well as ash components.]	295-535-1	92062-20-9	match	not found
648-060-00-2	Tar, coal, storage residues;Coal Tar Solids Residue;[The deposit removed from crude coal tar storages. Composed primarily of coal tar and carbonaceous particulate matter.]	293-764-1	91082-50-7	match	not found

Index No.	Name	EC No.	CAS No.	Registered	Notified
648-061-00-8	Tar, coal, high-temp., residues;Coal Tar Solids Residue;[Solids formed during the coking of bituminous coal to produce crude bituminous coal high temperature tar. Composed primarily of coke and coal particles, highly aromatized compounds and mineral substances.]	309-726-5	100684-51-3	match	not found
648-062-00-3	Tar, coal, high-temp., high-solids;Coal Tar Solids Residue;[The condensation product obtained by cooling, to approximately ambient temperature, the gas evolved in the high temperature (greater than 700 oC (1292 oF)) destructive distillation of coal. Composed primarily of a complex mixture of condensed ring aromatic hydrocarbons with a high solid content of coal-type materials.]	273-615-7	68990-61-4	match	not found
648-063-00-9	Waste solids, coal-tar pitch coking;Coal Tar Solids Residue;[The combination of wastes formed by the coking of bituminous coal tar pitch. It consists predominantly of carbon.]	295-549-8	92062-34-5	match	not found
648-064-00-4	Extract residues (coal), brown;Coal Tar Extract;[The residue from extraction of dried coal.]	294-285-0	91697-23-3	match	not found
648-065-00-X	Paraffin waxes (coal), brown-coal-high-temp. tar;Coal Tar Extract;[A complex combination of hydrocarbons obtained from lignite carbonization tar by solvent crystallisation (solvent deoiling), by sweating or an adducting process. It consists predominantly of straight and branched chain saturated hydrocarbons having carbon numbers predominantly greater	295-454-1	92045-71-1	match	found
648-066-00-5	Paraffin waxes (coal), brown-coal-high-temp. tar, hydrotreated;Coal Tar Extract;[A complex combination of hydrocarbons obtained from lignite carbonization tar by solvent crystallisation (solvent deoiling), by sweating or an adducting process treated with hydrogen in the presence of a catalyst. It consists predominantly of straight and branched chain saturated hydrocarbons having carbon numbers predominantly greater than C12.]	295-455-7	92045-72-2	match	not found
648-067-00-0	Paraffin waxes (coal), brown-coal high-temp tar, silicic acid-treated;Coal Tar Extract;[A complex combination of hydrocarbons obtained by the treatment of lignite carbonization tar with silicic acid for removal of trace constituents and impurities. It consists predominantly of saturated straight and branched chain hydrocarbons having carbon numbers predominantly greater than C12.]	308-298-7	97926-78-8	match	not found
648-068-00-6	Tar, coal, low-temp., distn. residues;Tar Oil, intermediate boiling;[Residues from fractional distillation of low temperature coal tar to remove oils that boil in a range up to approximately 300 oC (572 oF). Composed primarily of aromatic compounds.]	309-887-1	101316-85-2	match	not found
648-069-00-1	Pitch, coal tar, low-temp;Pitch Residue;[A complex black solid or semi-solid obtained from the distillation of a low temperature coal tar. It has a softening point within the approximate range of 40 oC to 180 oC (104 oF to 356 oF). Composed primarily of a complex mixture of hydrocarbons.]	292-651-4	90669-57-1	match	not found
648-070-00-7	Pitch, coal tar, low-temp., oxidized;Pitch Residue, oxidised;[The product obtained by air-blowing, at elevated temperature, low-temperature coal tar pitch. It has a softening-point within the approximate range of 70 oC to 180 oC (158 oF to 356 oF). Composed primarily of a complex mixture of hydrocarbons.]	292-654-0	90669-59-3	match	not found
648-071-00-2	Pitch, coal tar, low-temp., heat-treated;Pitch Residue, oxidised;Pitch Residue, heat-treated;[A complex black solid obtained by the heat treatment of low temperature coal tar pitch. It has a softening point within the approximate range of 50 oC to 140 oC (122 oF to 284 oF). Composed primarily of a complex mixture of aromatic compounds.]	292-653-5	90669-58-2	match	not found
648-072-00-8	Distillates (coal-petroleum), condensed-ring arom;Distillates;[The distillate from a mixture of coal and tar and aromatic petroleum streams having an approximate distillation range of 220 oC to 450 oC (428 oF to 842 oF). Composed primarily of 3- to 4-membered condensed ring aromatic hydrocarbons.]	269-159-3	68188-48-7	match	not found
648-073-00-3	Aromatic hydrocarbons, C20-28, polycyclic, mixed coal-tar pitch-polyethylene-polypropylene pyrolysis-derived;Pyrolysis Products;[A complex combination hydrocarbons obtained from mixed coal tar pitch-polyethylene-polypropylene pyrolysis. Composed primarily of polycyclic aromatic hydrocarbons having carbon numbers predominantly in the range of C20 through C28 and having a softening point of 100 oC to 220 oC (212 oF to 428 oF) according to DIN 52025.]	309-956-6	101794-74-5	match	not found

Index No.	Name	EC No.	CAS No.	Registered	Notified
648-074-00-9	Aromatic hydrocarbons, C20-28, polycyclic, mixed coal-tar pitch-polyethylene pyrolysis-derived;Pyrolysis Products;[A complex combination of hydrocarbons obtained from mixed coal tar pitch-polyethylene pyrolysis. Composed primarily of polycyclic aromatic hydrocarbons having carbon numbers predominantly in the range of C20 through C28 and having a softening point of 100 oC to 220 oC (212 oF to 428 oF) according to DIN 52025.]	309-957-1	101794-75-6	match	not found
648-075-00-4	Aromatic hydrocarbons, C20-28, polycyclic, mixed coal-tar pitch-polystyrene pyrolysis-derived;Pyrolysis Products;[A complex combination of hydrocarbons obtained from mixed coal tar pitch-polystyrene pyrolysis. Composed primarily of polycyclic aromatic hydrocarbons having carbon numbers predominantly in the range of C20 through C28 and having a softening point of 100 oC to 220 oC (212 oF to 428 oF) according to DIN 52025.]	309-958-7	101794-76-7	match	not found
648-076-00-X	Pitch, coal tar-petroleum;Pitch Residues;[The residue from the distillation of a mixture of coal tar and aromatic petroleum streams. A solid with a softening point from 40 oC to 180 oC (140 oF to 356 oF). Composed primarily of a complex combination of three or more membered condensed ring aromatic hydrocarbons.]	269-109-0	68187-57-5	match	not found
648-077-00-5	Phenanthrene, distn. residues;Heavy Anthracene Oil Redistillate;[Residue from the distillation of crude phenanthrene boiling in the approximate range of 340 oC to 420 oC (644 oF to 788 oF). It consists predominantly of phenanthrene, anthracene and carbazole.]	310-169-5	122070-78-4	match	not found
648-078-00-0	Distillates (coal tar), upper, fluorene-free;Wash Oil Redistillate;[A complex combination of hydrocarbons obtained by the crystallization of tar oil. It consists of aromatic polycyclic hydrocarbons, primarily diphenyl, dibenzofuran and acenaphthene.]	284-899-7	84989-10-6	match	not found
648-079-00-6	Anthracene oil;Anthracene oil;[A complex combination of polycyclic aromatic hydrocarbons obtained from coal tar having an approximate distillation range of 300 oC to 400 oC (572 oF to 752 oF). Composed primarily of phenanthrene, anthracene and carbazole.]	292-602-7	90640-80-5	match	found
648-080-00-1	Residues (coal tar), creosote oil distn.;Wash Oil Redistillate;[The residue from the fractional distillation of wash oil boiling in the approximate range of 270°C to 330°C (518°F to 626°F). It consists predominantly of dinuclear aromatic and heterocyclic hydrocarbons.]	295-506-3	92061-93-3	match	not found
648-081-00-7	Tar, coal;Coal tar;[The by-product from the destructive distillation of coal. Almost black semisolid. A complex combination of aromatic hydro-carbons, phenolic compounds, nitrogen bases and thionene.]	232-361-7	8007-45-2	match	not found
648-082-00-2	Tar, coal, high-temp.;Coal tar;[The condensation product obtained by cooling, to approximately ambient temperature, the gas evolved in the high temperature (greater than 700 oC (1292 oF)) destructive distillation of coal. A black viscous liquid denser than water. Composed primarily of a complex mixture of condensed ring aromatic hydrocarbons. May contain minor amounts of phenolic compounds and aromatic nitrogen bases.]	266-024-0	65996-89-6	match	found
648-083-00-8	Tar, coal, low-temp.;Coal oil;[The condensation product obtained by cooling, to approximately ambient temperature, the gas evolved in low temperature (less than 700 oC (1292 oF)) destructive distillation of coal. A black viscous liquid denser than water. Composed primarily of condensed ring aromatic hydrocarbons, phenolic compounds, aromatic nitrogen bases, and their alkyl derivatives.]	266-025-6	65996-90-9	match	not found
648-084-00-3	Distillates (coal), coke-oven light oil, naphthalene cut;Naphthalene Oil;[The complex combination of hydrocarbons obtained from prefractionation (continuous distillation) of coke oven light oil. It consists predominantly of naphthalene, coumarone and indene and boils above 148°C (298°F).]	285-076-5	85029-51-2	match	not found
648-085-00-9	Distillates (coal tar), naphthalene oils;Naphthalene Oil;[A complex combination of hydrocarbons obtained by the distillation of coal tar. It consists primarily of aromatic and other hydrocarbons, phenolic compounds and aromatic nitrogen compounds and distills in the approximate range of 200°C to 250°C (392°F to 482°F).]	283-484-8	84650-04-4	match	found

Index No.	Name	EC No.	CAS No.	Registered	Notified
648-086-00-4	Distillates (coal tar), naphthalene oils, naphthalene-low;Naphthalene Oil Redistillate;[A complex combination of hydrocarbons obtained by crystallization of naphthalene oil. Composed primarily of naphthalene, alkyl naphthalenes and phenolic compounds.]	284-898-1	84989-09-3	match	not found
648-087-00-X	Distillates (coal tar), naphthalene oil crystn. mother liquor;Naphthalene Oil Redistillate;[A complex combination of organic compounds obtained as a filtrate from the crystallization of the naphthalene fraction from coal tar and boiling in the range of approximately 200°C to 230°C (392°F to 446°F). Contains chiefly naphthalene, thionaphthene and	295-310-8	91995-49-2	match found	match found
648-088-00-5	Extract residues (coal), naphthalene oil, alk.;Naphthalene Oil Extract Residue;[A complex combination of hydrocarbons obtained from the alkali washing of naphthalene oil to remove phenolic compounds (tar acids). It is composed of naphthalene and alkyl naphthalenes.]	310-166-9	121620-47-1	match not found	match not found
648-089-00-0	Extract residues (coal), naphthalene oil, alk., naphthalene-low;Naphthalene Oil Extract Residue;[A complex combination of hydrocarbons remaining after the removal of naphthalene from alkali-washed naphthalene oil by a crystallization process. It is composed primarily of naphthalene and alkyl naphthalenes.]	310-167-4	121620-48-2	match not found	match not found
648-090-00-6	Distillates (coal tar), naphthalene oils, naphthalene-free, alk. exts.;Naphthalene Oil Extract Residue;[The oil remaining after the removal of phenolic compounds (tar acids) from drained naphthalene oil by an alkali wash. Composed primarily of naphthalene and alkyl naphthalenes.]	292-612-1	90640-90-7	match not found	match not found
648-091-00-1	Extract residues (coal), naphthalene oil alk., distn. overheads;Naphthalene Oil Extract Residue;[The distillate from alkali-washed naphthalene oil having an approximate distillation range of 180°C to 220°C (356°F to 428°F). Composed primarily of naphthalene, alkylbenzenes, indene and indan.]	292-627-3	90641-04-6	match not found	match not found
648-092-00-7	Distillates (coal tar), naphthalene oils, methylnaphthalene fraction;Methylnaphthalene Oil;[A distillate from the fractional distillation of high temperature coal tar. Composed primarily of substituted two ring aromatic hydrocarbons and aromatic nitrogen bases boiling in the range of approximately 225°C to 255°C (437°F to 491°F).]	309-985-4	101896-27-9	match found	match found
648-093-00-2	Distillates (coal tar), naphthalene oils, indole-methylnaphthalene fraction;Methylnaphthalene Oil;[A distillate from the fractional distillation of high temperature coal tar. Composed primarily of indole and methylnaphthalene boiling in the range of approximately 235°C to 255°C (455°F to 491°F).]	309-972-3	101794-91-6	match not found	match not found
648-094-00-8	Distillates (coal tar), naphthalene oils, acid exts.;Methylnaphthalene Oil Extract Residue;[A complex combination of hydrocarbons obtained by debasing the methylnaphthalene fraction obtained by the distillation of coal tar and boiling in the range of approximately 230°C to 255°C (446°F to 491°F). Contains chiefly 1(2)-methylnaphthalene, naphthalene, dimethylnaphthalene and biphenyl.]	295-309-2	91995-48-1	match not found	match not found
648-095-00-3	Extract residues (coal), naphthalene oil alk., distn. residues;Methylnaphthalene Oil Extract Residue;[The residue from the distillation of alkali-washed naphthalene oil having an approximate distillation range of 220°C to 300°C (428°F to 572°F). Composed primarily of naphthalene, alkyl naphthalenes and aromatic nitrogen bases.]	292-628-9	90641-05-7	match found	match found
648-096-00-9	Extract oils (coal), acidic, tar-base free;Methylnaphthalene Oil Extract Residue;[The extract oil boiling in the range of approximately 220°C to 265°C (428°F to 509°F) from coal tar alkaline extract residue produced by an acidic wash such as aqueous sulfuric acid after distillation to remove tar bases. Composed primarily of alkyl naphthalenes.]	284-901-6	84989-12-8	match not found	match not found
648-097-00-4	Distillates (coal tar), benzole fraction, distn. residues;Wash Oil;[A complex combination of hydrocarbons obtained from the distillation of crude benzole (high temperature coal tar). It may be a liquid with the approximate distillation range of 150°C to 300°C (302°F to 572°F) or a semi-solid or solid with a melting point up to 70°C (158°F). It is composed primarily of naphthalene and alkyl naphthalenes.]	310-165-3	121620-46-0	match not found	match not found

Index No.	Name	EC No.	CAS No.	Registered	Notified
648-098-00-X	Creosote oil, acenaphthene fraction;Wash Oil;[A complex combination of hydrocarbons produced by the distillation of coal tar and boiling in the range of approximately 240°C to 280°C (464°F to 536°F). Composed primarily of acenaphthene, naphthalene and alkyl naphthalene.]	292-605-3	90640-84-9	match found	match found
648-099-00-5	Creosote oil;[A complex combination of hydrocarbons obtained by the distillation of coal tar. It consists primarily of aromatic hydrocarbons and may contain appreciable quantities of tar acids and tar bases. It distills at the approximate range of 200°C to 325°C (392°F to 617°F).]	263-047-8	61789-28-4	match found	match found
648-100-00-9	Creosote oil, high-boiling distillate;Wash Oil;[The high-boiling distillation fraction obtained from the high temperature carbonization of bituminous coal which is further refined to remove excess crystalline salts. It consists primarily of creosote oil with some of the normal polynuclear aromatic salts, which are components of coal tar distillates, removed. It is crystal free at approximately 5°C (41°F).]	274-565-9	70321-79-8	match not found	match not found
648-101-00-4	Creosote;[The distillate of coal tar produced by the high temperature carbonization of bituminous coal. It consists primarily of aromatic hydrocarbons, tar acids and tar bases.]	232-287-5	8001-58-9	match not found	match found
648-102-00-X	Extract residues (coal), creosote oil acid;Wash Oil Extract Residue;[A complex combination of hydrocarbons from the base-freed fraction from the distillation of coal tar, boiling in the range of approximately 250°C to 280°C (482°F to 536°F). It consists predominantly of biphenyl and isomeric diphenylnaphthalenes.]	310-189-4	122384-77-4	match not found	match not found
648-103-00-5	Anthracene oil, anthracene paste;Anthracene Oil Fraction;[The anthracene-rich solid obtained by the crystallization and centrifuging of anthracene oil. It is composed primarily of anthracene, carbazole and phenanthrene.]	292-603-2	90640-81-6	match found	match found
648-104-00-0	Anthracene oil, anthracene-low;Anthracene Oil Fraction;[The oil remaining after the removal, by a crystallization process, of an anthracene-rich solid (anthracene paste) from anthracene oil. It is composed primarily of two, three and four membered aromatic compounds.]	292-604-8	90640-82-7	match found	match found
648-105-00-6	Residues (coal tar), anthracene oil distn.;Anthracene Oil Fraction;[The residue from the fraction distillation of crude anthracene boiling in the approximate range of 340°C to 400°C (644°F to 752°F). It consists predominantly of tri- and polynuclear aromatic and heterocyclic hydrocarbons.]	295-505-8	92061-92-2	match not found	match not found
648-106-00-1	Anthracene oil, anthracene paste, anthracene fraction;Anthracene Oil Fraction;[A complex combination of hydrocarbons from the distillation of anthracene obtained by the crystallization of anthracene oil from bituminous high temperature tar and boiling in the range of 330°C to 350°C (626°F to 662°F). It contains chiefly anthracene, carbazole and	295-275-9	91995-15-2	match not found	match not found
648-107-00-7	Anthracene oil, anthracene paste, carbazole fraction;Anthracene Oil Fraction;[A complex combination of hydrocarbons from the distillation of anthracene obtained by crystallization of anthracene oil from bituminous coal high temperature tar and boiling in the approximate range of 350°C to 360°C (662°F to 680°F). It contains chiefly anthracene, carbazole and phenanthrene.]	295-276-4	91995-16-3	match not found	match not found
648-108-00-2	Anthracene oil, anthracene paste, distn. lights;Anthracene Oil Fraction;[A complex combination of hydrocarbons from the distillation of anthracene obtained by crystallization of anthracene oil from bituminous high temperature tar and boiling in the range of approximately 290°C to 340°C (554°F to 644°F). It contains chiefly trinuclear aromatics and their dihydro derivatives.]	295-278-5	91995-17-4	match found	match found
648-109-00-8	Tar oils, coal, low-temp.;Tar Oil, high boiling;[A distillate from low-temperature coal tar. Composed primarily of hydrocarbons, phenolic compounds and aromatic nitrogen bases boiling in the range of approximately 160°C to 340°C (320°F to 644°F).]	309-889-2	101316-87-4	match not found	match not found
648-110-00-3	Extract residues (coal), low temp. coal atar alk.;[The residue from low temperature coal tar oils after an alkaline wash, such as aqueous sodium hydroxide, to remove crude coal tar acids. Composed primarily of hydrocarbons and aromatic nitrogen bases.]	310-191-5	122384-78-5	match not found	match not found

Index No.	Name	EC No.	CAS No.	Registered	Notified
648-111-00-9	Phenols, ammonia liquor ext.;Alkaline Extract;[The combination of phenols extracted, using isobutyl acetate, from the ammonia liquor condensed from the gas evolved in low-temperature (less than 700°C (1292°F)) destructive distillation of coal. It consists predominantly of a reaction mass of monohydric and dihydric phenols.]	284-881-9	84988-93-2	match	not found
648-112-00-4	Distillates (coal tar), light oils, alk. exts.;Alkaline Extract;[The aqueous extract from carbolic oil produced by an alkaline wash such as aqueous sodium hydroxide. Composed primarily of the alkali salts of various phenolic compounds.]	292-610-0	90640-88-3	match	not found
648-113-00-X	Extracts, coal tar oil alk.;Alkaline Extract;[The extract from coal tar oil produced by an alkaline wash such as aqueous sodium hydroxide. Composed primarily of the alkali salts of various phenolic compounds.]	266-017-2	65996-83-0	match found	match found
648-114-00-5	Distillates (coal tar), naphthalene oils, alk. exts.;Alkaline Extract;[The aqueous extract from naphthalene oil produced by an alkaline wash such as aqueous sodium hydroxide. Composed primarily of the alkali salts of various phenolic compounds.]	292-611-6	90640-89-4	match	not found
648-115-00-0	Extract residues (coal), tar oil alk., carbonated, limed;Crude Phenols;[The product obtained by treatment of coal tar oil alkaline extract with CO ₂ and CaO. Composed primarily of CaCO ₃ , Ca(OH) ₂ , Na ₂ CO ₃ and other organic and inorganic impurities.]	292-629-4	90641-06-8	match	not found
648-116-00-6	Tar acids, coal, crude;Crude Phenols;[The reaction product obtained by neutralizing coal tar oil alkaline extract with an acidic solution, such as aqueous sulfuric acid, or gaseous carbon dioxide, to obtain the free acids. Composed primarily of tar acids such as phenol, cresols, and xylenols.]	266-019-3	65996-85-2	match found	match found
648-117-00-1	Tar acids, brown-coal, crude;Crude Phenols;[An acidified alkaline extract of brown coal tar distillate. Composed primarily of phenol and phenol homologs.]	309-888-7	101316-86-3	match	not found
648-118-00-7	Tar acids, brown-coal gasification;Crude Phenols;[A complex combination of organic compounds obtained from brown coal gasification. Composed primarily of C ₆ -10 hydroxy aromatic phenols and their homologs.]	295-536-7	92062-22-1	match found	match found
648-119-00-2	Tar acids, distn. residues;Distillate Phenols;[A residue from the distillation of crude phenol from coal. It consists predominantly of phenols having carbon numbers in the range of C ₈ through C ₁₀ with a softening point of 60°C to 80°C (140°F to 176°F).]	306-251-5	96690-55-0	match found	match found
648-120-00-8	Tar acids, methylphenol fraction;Distillate Phenols;[The fraction of tar acid rich in 3- and 4-methylphenol, recovered by distillation of low-temperature coal tar crude tar acids.]	284-892-9	84989-04-8	match found	match found
648-121-00-3	Tar acids, polyalkylphenol fraction;Distillate Phenols;[The fraction of tar acids, recovered by distillation of low-temperature coal tar crude tar acids, having an approximate boiling range of 225°C to 320°C (437°F to 608°F). Composed primarily of polyalkylphenols.]	284-893-4	84989-05-9	match	not found
648-122-00-9	Tar acids, xylenol fraction;Distillate Phenols;[The fraction of tar acids, rich in 2,4- and 2,5-dimethylphenol, recovered by distillation of low-temperature coal tar crude tar acids.]	284-895-5	84989-06-0	match found	match found
648-123-00-4	Tar acids, ethylphenol fraction;Distillate Phenols;[The fraction of tar acids, rich in 3- and 4-ethylphenol, recovered by distillation of low-temperature coal tar crude tar acids.]	284-891-3	84989-03-7	match	not found
648-124-00-X	Tar acids, 3,5-xylenol fraction;Distillate Phenols;[The fraction of tar acids, rich in 3,5-dimethylphenol, recovered by distillation of low-temperature coal tar acids.]	284-896-0	84989-07-1	match	not found
648-125-00-5	Tar acids, residues, distillates, first-cut;Distillate Phenols;[The residue from the distillation in the range of 235°C to 355°C (481°F to 697°F) of light carbolic oil.]	270-713-1	68477-23-6	match	not found
648-126-00-0	Tar acids, cresylic, residues;Distillate Phenols;[The residue from crude coal tar acids after removal of phenol, cresols, xylenols and any higher boiling phenols. A black solid with a melting point approximately 80°C (176°F). Composed primarily of polyalkylphenols, resin gums, and inorganic salts.]	271-418-0	68555-24-8	match	not found
648-127-00-6	Phenols, C ₉ -11;Distillate Phenols	293-435-2	91079-47-9	match	not found
648-128-00-1	Tar acids, cresylic;Distillate Phenols;[A complex combination of organic compounds obtained from brown coal and boiling in the range of approximately 200°C to 230°C (392°F to 446°F). It contains chiefly phenols and pyridine bases.]	295-540-9	92062-26-5	match	not found

Index No.	Name	EC No.	CAS No.	Registered	Notified
648-129-00-7	Tar acids, brown-coal, C2-alkylphenol fraction;Distillate Phenols;[The distillate from the acidification of alkaline washed lignite tar distillate boiling in the range of approximately 200°C to 230°C (392°F to 446°F). Composed primarily of m- and p-ethylphenol as well as cresols and xylenols.]	302-662-9	94114-29-1	match	not found
648-130-00-2	Extract oils (coal), naphthalene oils;Acid Extract;[The aqueous extract produced by an acidic wash of alkali-washed naphthalene oil. Composed primarily of acid salts of various aromatic nitrogen bases including pyridine, quinoline and their alkyl derivatives.]	292-623-1	90641-00-2	match	not found
648-131-00-8	Tar bases, quinoline derivs.;Distillate Bases	271-020-7	68513-87-1	match	not found
648-132-00-3	Tar bases, coal, quinoline derivs. fraction;Distillate Bases	274-560-1	70321-67-4	match	not found
648-133-00-9	Tar bases, coal, distn. residues;Distillate Bases;[The distillation residue remaining after the distillation of the neutralized, acid-extracted base-containing tar fractions obtained by the distillation of coal tars. It contains chiefly aniline, collidines, quinoline and quinoline derivatives and toluidines.]	295-544-0	92062-29-8	match	not found
648-134-00-4	Hydrocarbon oils, arom., mixed with polyethylene and polypropylene, pyrolyzed, light oil fraction;Heat Treatment Products;[The oil obtained from the heat treatment of a polyethylene/polypropylene reaction mass with coal tar pitch or aromatic oils. It consists predominantly of benzene and its homologs boiling in a range of approximately 70°C to 120°C (158°F to 248°F).]	309-745-9	100801-63-6	match	not found
648-135-00-X	Hydrocarbon oils, arom., mixed with polyethylene, pyrolyzed, light oil fraction;Heat Treatment Products;[The oil obtained from the heat treatment of polyethylene with coal tar pitch or aromatic oils. It consists predominantly of benzene and its homologs boiling in a range of 70°C to 120°C (158°F to 248°F).]	309-748-5	100801-65-8	match	not found
648-136-00-5	Hydrocarbon oils, arom., mixed with polystyrene, pyrolyzed, light oil fraction;Heat Treatment Products;[The oil obtained from the heat treatment of polystyrene with coal tar pitch or aromatic oils. It consists predominantly of benzene and its homologs boiling in a range of approximately 70°C to 210°C (158°F to 410°F).]	309-749-0	100801-66-9	match	not found
648-137-00-0	Extract residues (coal), tar oil alk., naphthalene distn. residues;Naphthalene Oil Extract Residue;[The residue obtained from chemical oil extracted after the removal of naphthalene by distillation composed primarily of two to four membered condensed ring aromatic hydrocarbons and aromatic nitrogen bases.]	277-567-8	73665-18-6	match	not found
648-138-00-6	Creosote oil, low-boiling distillate;Wash Oil;[The low-boiling distillation fraction obtained from the high temperature carbonization of bituminous coal, which is further refined to remove excess crystalline salts. It consists primarily of creosote oil with some of the normal polynuclear aromatic salts, which are components of coal tar distillate, removed. It is crystal free at approximately 38°C (100°F).]	274-566-4	70321-80-1	match	not found
648-139-00-1	Tar acids, cresylic, sodium salts, caustic solns.;Alkaline Extract	272-361-4	68815-21-4	match	not found
648-140-00-7	Extract oils (coal), tar base;Acid Extract;[The extract from coal tar oil alkaline extract residue produced by an acidic wash such as aqueous sulfuric acid after distillation to remove naphthalene. Composed primarily of the acid salts of various aromatic nitrogen bases including pyridine, quinoline, and their alkyl derivatives.]	266-020-9	65996-86-3	match	found
648-141-00-2	Tar bases, coal, crude;Crude Tar Bases;[The reaction product obtained by neutralizing coal tar base extract oil with an alkaline solution, such as aqueous sodium hydroxide, to obtain the free bases. Composed primarily of such organic bases as acridine, phenanthridine, pyridine, quinoline and their alkyl derivatives.]	266-018-8	65996-84-1	match	found
648-142-00-8	Residues (coal), liq. solvent extrn.;[A cohesive powder composed of coal mineral matter and undissolved coal remaining after extraction of coal by a liquid solvent.]	302-681-2	94114-46-2	match	not found
648-143-00-3	Coal liquids, liq. solvent extrn. soln.;[The product obtained by filtration of coal mineral matter and undissolved coal from coal extract solution produced by digesting coal in a liquid solvent. A black, viscous, highly complex liquid combination composed primarily of aromatic and partly hydro-genated aromatic hydrocarbons, aromatic nitrogen compounds, aromatic sulfur compounds, phenolic and other aromatic oxygen compounds and their alkyl derivatives.]	302-682-8	94114-47-3	match	not found

Index No.	Name	EC No.	CAS No.	Registered	Notified
648-144-00-9	Coal liquids, liq. solvent extrn.;[The substantially solvent-free product obtained by the distillation of the solvent from filtered coal extract solution produced by digesting coal in a liquid solvent. A black semi-solid, composed primarily of a complex combination of condensed-ring aromatic hydrocarbons, aromatic nitrogen compounds, aromatic sulfur compounds, phenolic compounds and other aromatic oxygen compounds, and their alkyl derivatives.]	302-683-3	94114-48-4	match	not found
648-145-00-4	Tar brown-coal;[An oil distilled from brown-coal tar. Composed primarily of aliphatic, naphthenic and one- to three-ring aromatic hydrocarbons, their alkyl derivates, heteroaromatics and one- and two-ring phenols boiling in the range of approximately 150 oC to 360 oC (302 oF to 680 oF).]	309-885-0	101316-83-0	match	not found
648-146-00-X	Tar, brown-coal, low-temp.;[A tar obtained from low temperature carbonization and low temperature gasification of brown coal. Composed primarily of aliphatic, naphthenic and cyclic aromatic hydrocarbons, heteroaromatic hydrocarbons and cyclic phenols.]	309-886-6	101316-84-1	match found	match found
648-147-00-5	Light oil (coal), coke-oven;Crude benzole;[The volatile organic liquid extracted from the gas evolved in the high temperature (greater than 700°C (1292°F)) destructive distillation of coal. Composed primarily of benzene, toluene, and xylenes. May contain other minor hydrocarbon constituents.]	266-012-5	65996-78-3	match found	match found
648-148-00-0	Distillates (coal), liq. solvent extrn., primary;[The liquid product of condensation of vapors emitted during the digestion of coal in a liquid solvent and boiling in the range of approximately 30°C to 300°C (86°F to 572°F). Composed primarily of partly hydrogenated condensed-ring aromatic hydrocarbons, aromatic compounds containing nitrogen, oxygen and sulfur, and their alkyl derivatives having carbon numbers predominantly in the range of C4 through C14.]	302-688-0	94114-52-0	match	not found
648-149-00-6	Distillates (coal), solvent extrn., hydrocracked;[Distillate obtained by hydrocracking of coal extract or solution produced by the liquid solvent extraction or supercritical gas extraction processes and boiling in the range of approximately 30°C to 300°C (86°F to 572°F). Composed primarily of aromatic, hydrogenated aromatic and naphthenic compounds, their alkyl derivatives and alkanes with carbon numbers predominantly in the range of C4 through C14. Nitrogen, sulfur and oxygen-containing aromatic and hydrogenated aromatic compounds are also present.]	302-689-6	94114-53-1	match	not found
648-150-00-1	Naphtha (coal), solvent extrn., hydrocracked;[Fraction of the distillate obtained by hydrocracking of coal extract or solution produced by the liquid solvent extraction or supercritical gas extraction processes and boiling in the range of approximately 30°C to 180°C (86°F to 356°F). Composed primarily of aromatic, hydrogenated aromatic and naphthenic compounds, their alkyl derivatives and alkanes with carbon numbers predominantly in the range of C4 to C9. Nitrogen, sulfur and oxygen-containing aromatic and hydrogenated aromatic compounds are also present.]	302-690-1	94114-54-2	match	not found
648-151-00-7	Gasoline, coal solvent extrn., hydrocracked naphtha;[Motor fuel produced by the reforming of the refined naphtha fraction of the products of hydrocracking of coal extract or solution produced by the liquid solvent extraction or supercritical gas extraction processes and boiling in the range of approximately 30 oC to 180 oC (86 oF to 356 oF). Composed primarily of aromatic and naphthenic hydrocarbons, their alkyl derivatives and alkyl hydrocarbons having carbon numbers in the range of C4 through C9.]	302-691-7	94114-55-3	match	not found
648-152-00-2	Distillates (coal), solvent extrn., hydrocracked middle;[Distillate obtained from the hydrocracking of coal extract or solution produced by the liquid solvent extraction or supercritical gas extraction processes and boiling in the range of approximately 180°C to 300°C (356°F to 572°F). Composed primarily of two-ring aromatic, hydrogenated aromatic and naphthenic compounds, their alkyl derivatives and alkanes having carbon numbers predominantly in the range of C9 through C14. Nitrogen, sulfur and oxygen-containing compounds are also present.]	302-692-2	94114-56-4	match	not found

Index No.	Name	EC No.	CAS No.	Registered	Notified
648-153-00-8	Distillates (coal), solvent extrn., hydrocracked hydrogenated middle;[Distillate from the hydrogenation of hydrocracked middle distillate from coal extract or solution produced by the liquid solvent extraction or supercritical gas extraction processes and boiling in the range of approximately 180°C to 280°C (356°F to 536°F). Composed primarily of hydrogenated two-ring carbon compounds and their alkyl derivatives having carbon numbers predominantly in the range of C9 through C14.]	302-693-8	94114-57-5	match	not found
648-156-00-4	Light oil (coal), semi-coking process;Fresh oil;[The volatile organic liquid condensed from the gas evolved in the low-temperature (less than 700°C (1292°F)) destructive distillation of coal. Composed primarily of C6-10 hydrocarbons.]	292-635-7	90641-11-5	match	not found
649-001-00-3	Extracts (petroleum), light naphthenic distillate solvent	265-102-1	64742-03-6	match	not found
649-002-00-9	Extracts (petroleum), heavy paraffinic distillate solvent	265-103-7	64742-04-7	match	found
649-003-00-4	Extracts (petroleum), light paraffinic distillate solvent	265-104-2	64742-05-8	match	found
649-004-00-X	Extracts (petroleum), heavy naphthenic distillate solvent	265-111-0	64742-11-6	match	not found
649-005-00-5	Extracts (petroleum), light vacuum gas oil solvent	295-341-7	91995-78-7	match	not found
649-006-00-0	hydrocarbons C26-55, arom-rich	307-753-7	97722-04-8	match	not found
649-008-00-1	Residues (petroleum), atm. tower;Heavy Fuel oil;[A complex residuum from the atmospheric distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly greater than C20 and boiling above approximately 350 oC (662 oF). This stream is likely to contain 5 wt. % or more of 4- to 6-membered condensed ring aromatic hydrocarbons.]	265-045-2	64741-45-3	match	found
649-009-00-7	Gas oils (petroleum), heavy vacuum;Heavy Fuel oil;[A complex combination of hydrocarbons produced by the vacuum distillation of the residuum from atmospheric distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and boiling in the range of approximately 350 oC to 600 oC (662 oF to 1112 oF). This stream is likely to contain 5 wt. % or more of 4-to 6-membered condensed ring aromatic hydrocarbons.]	265-058-3	64741-57-7	match	found
649-010-00-2	Distillates (petroleum), heavy catalytic cracked;Heavy Fuel oil;[A complex combination of hydrocarbons produced by the distillation of products from a catalytic cracking process. It consists of hydrocarbons having carbon numbers predominantly in the range of C15 through C35 and boiling in the range of approximately 260 oC to 500 oC (500 oF to 932 oF). This stream is likely to contain 5 wt. % or more of 4- to 6-membered condensed ring aromatic hydrocarbons.]	265-063-0	64741-61-3	match	found
649-011-00-8	Clarified oils (petroleum), catalytic cracked;Heavy Fuel oil;[A complex combination of hydrocarbons produced as the residual fraction from distillation of the products from a catalytic cracking process. It consists of hydrocarbons having carbon numbers predominantly greater than C20 and boiling above approximately 350 oC (662 oF). This stream is likely to contain 5 wt. % or more of 4- to 6-membered condensed ring aromatic hydrocarbons.]	265-064-6	64741-62-4	match	found
649-012-00-3	Residues (petroleum), hydrocracked;Heavy Fuel oil;[A complex combination of hydrocarbons produced as the residual fraction from distillation of the products of a hydrocracking process. It consists of hydrocarbons having carbon numbers predominantly greater than C20 and boiling above approximately 350 oC (662 oF). This stream is likely to contain 5 wt. % or more of 4- to 6-membered condensed ring aromatic hydrocarbons.]	265-076-1	64741-75-9	match	found
649-013-00-9	Residues (petroleum), thermal cracked;Heavy Fuel oil;[A complex combination of hydrocarbons produced as the residual fraction from distillation of the product from a thermal cracking process. It consists predominantly of unsaturated hydrocarbons having carbon numbers predominantly greater than C20 and boiling above approximately 350 oC (662 oF). This stream is likely to contain 5 wt. % or more of 4- to 6-membered condensed ring aromatic hydrocarbons.]	265-081-9	64741-80-6	match	found
649-014-00-4	Distillates (petroleum), heavy thermal cracked;Heavy Fuel oil;[A complex combination of hydrocarbons from the distillation of the products from a thermal cracking process. It consists predominantly of unsaturated hydrocarbons having carbon numbers predominantly in the range of C15 through C36 and boiling in the range of approximately 260 oC to 480 oC (500 oF to 896 oF). This stream is likely to contain 5 wt. % or more of 4- to 6-membered condensed ring aromatic hydrocarbons.]	265-082-4	64741-81-7	match	found

Index No.	Name	EC No.	CAS No.	Registered	Notified
649-015-00-X	Gas oils (petroleum), hydrotreated vacuum;Heavy Fuel oil;[A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C13 through C50 and boiling in the range of approximately 230 oC to 600 oC (446 oF to 1112 oF). This stream is likely to contain 5 wt.% or more of 4- to 6-membered condensed ring aromatic hydrocarbons.]	265-162-9	64742-59-2	match found	match found
649-016-00-5	Residues (petroleum), hydrodesulfurized atmospheric tower;Heavy Fuel oil;[A complex combination of hydrocarbons obtained by treating an atmospheric tower residuum with hydrogen in the presence of a catalyst under conditions primarily to remove organic sulfur compounds. It consists of hydrocarbons having carbon numbers predominantly greater than C20 and boiling above approximately 350 oC (662 oF). This stream is likely to contain 5 wt. % or more of 4- to 6-membered condensed ring aromatic hydrocarbons.]	265-181-2	64742-78-5	match found	match found
649-017-00-0	Gas oils (petroleum), hydrodesulfurized heavy vacuum;Heavy Fuel oil;[A complex combination of hydrocarbons obtained from a catalytic hydrodesulfurization process. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and boiling in the range of approximately 350 oC to 600 oC (662 oF to 1112 oC). This stream is likely to contain 5 wt. % or more of 4- to 6-membered condensed ring aromatic hydrocarbons.]	265-189-6	64742-86-5	match found	match found
649-018-00-6	Residues (petroleum), steam-cracked;Heavy Fuel oil;[A complex combination of hydrocarbons obtained as the residual fraction from the distillation of the products of a steam cracking process (including steam cracking to produce ethylene). It consists predominantly of unsaturated hydrocarbons having carbon numbers predominantly greater than C14 and boiling above approximately 260 oC (500 oF). This stream is likely to contain 5 wt. % or more of 4- to 6-membered condensed ring aromatic hydrocarbons.]	265-193-8	64742-90-1	match found	match found
649-019-00-1	Residues (petroleum), atmospheric;Heavy Fuel oil;[A complex residuum from atmospheric distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly greater than C11 and boiling above approximately 200 oC (392 oF). This stream is likely to contain 5 wt. % or more of 4-to 6-membered condensed ring aromatic hydrocarbons.]	269-777-3	68333-22-2	match found	match found
649-020-00-7	Clarified oils (petroleum), hydrodesulfurized catalytic cracked;Heavy Fuel oil;[A complex combination of hydrocarbons obtained by treating catalytic cracked clarified oil with hydrogen to convert organic sulfur to hydrogen sulfide which is removed. It consists of hydrocarbons having carbon numbers predominantly greater than C20 and boiling above approximately 350 oC (662 oF). This stream is likely to contain 5 wt. % or more of 4-to 6-membered condensed ring aromatic hydrocarbons.]	269-782-0	68333-26-6	match not found	match not found
649-021-00-2	Distillates (petroleum), hydrodesulfurized intermediate catalytic cracked;Heavy Fuel oil;[A complex combination of hydrocarbons obtained by treating intermediate catalytic cracked distillates with hydrogen to convert organic sulfur to hydrogen sulfide which is removed. It consists of hydrocarbons having carbon numbers predominantly in the range of C11 through C30 and boiling in the range of approximately 205 oC to 450 oC (401 oF to 842 oF). It contains a relatively large proportion of tricyclic aromatic hydrocarbons.]	269-783-6	68333-27-7	match not found	match not found
649-022-00-8	Distillates (petroleum), hydrodesulfurized heavy catalytic cracked;Heavy Fuel oil;[A complex combination of hydrocarbons obtained by treatment of heavy catalytic cracked distillates with hydrogen to convert organic sulfur to hydrogen sulfide which is removed. It consists of hydrocarbons having carbon numbers predominantly in the range of C15 through C35 and boiling in the range of approximately 260 oC to 500 oC (500 oF to 932 oF). This stream is likely to contain 5 wt. % or more of 4- to 6-membered condensed ring aromatic hydrocarbons.]	269-784-1	68333-28-8	match not found	match not found
649-023-00-3	Fuel oil, residues-straight-run gas oils, high-sulfur;Heavy Fuel oil	270-674-0	68476-32-4	match found	match found
649-024-00-9	Fuel oil, residual;Heavy Fuel oil;[The liquid product from various refinery streams, usually residues. The composition is complex and varies with the source of the crude oil.]	270-675-6	68476-33-5	match found	match found

Index No.	Name	EC No.	CAS No.	Registered	Notified
649-025-00-4	Residues (petroleum), catalytic reformer fractionator residue distn.; Heavy Fuel oil; [A complex residuum from the distillation of catalytic reformer fractionator residue. It boils approximately above 399 oC (750 oF).]	270-792-2	68478-13-7	match	not found
649-026-00-X	Residues (petroleum), heavy coker gas oil and vacuum gas oil; Heavy Fuel oil; [A complex combination of hydrocarbons produced as the residual fraction from the distillation of heavy coker gas oil and vacuum gas oil. It predominantly consists of hydrocarbons having carbon numbers predominantly greater than C13 and boiling above approximately 230 oC (446 oF).]	270-796-4	68478-17-1	match found	match found
649-027-00-5	Residues (petroleum), heavy coker and light vacuum; Heavy Fuel oil; [A complex combination of hydrocarbons produced as the residual fraction from the distillation of heavy coker gas oil and light vacuum gas oil. It consists predominantly of hydrocarbons having carbon numbers predominantly greater than C13 and boiling above approximately 230 oC (446 oF).]	270-983-0	68512-61-8	match not found	match found
649-028-00-0	Residues (petroleum), light vacuum; Heavy Fuel oil; [A complex residuum from the vacuum distillation of the residuum from the atmospheric distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly greater than C13 and boiling above approximately 230 oC (446 oF).]	270-984-6	68512-62-9	match found	match found
649-029-00-6	Residues (petroleum), steam-cracked light; Heavy Fuel oil; [A complex residuum from the distillation of the products from a steam-cracking process. It consists predominantly of aromatic and unsaturated hydrocarbons having carbon numbers greater than C7 and boiling in the range of approximately 101 oC to 555 oC (214 oF to 1030 oF).]	271-013-9	68513-69-9	match found	match found
649-030-00-1	Fuel oil, No 6; Heavy Fuel oil; [A distillate oil having a minimum viscosity of 900 SUS at 37.7 oC (100 oF) to a maximum of 9000 SUS at 37.7 oC (100 oF).]	271-384-7	68553-00-4	match found	match found
649-031-00-7	Residues (petroleum), topping plant, low-sulfur; Heavy Fuel oil; [A low-sulfur complex combination of hydrocarbons produced as the residual fraction from the topping plant distillation of crude oil. It is the residuum after the straight-run gasoline cut, kerosene cut and gas oil cut have been removed.]	271-763-7	68607-30-7	match found	match found
649-032-00-2	Gas oils (petroleum), heavy atmospheric; Heavy Fuel oil; [A complex combination of hydrocarbons obtained by the distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C7 through C35 and boiling in the range of approximately 121 oC to 510 oC (250 oF to 950 oF).]	272-184-2	68783-08-4	match found	match found
649-033-00-8	Residues (petroleum), coker scrubber, Condensed-ring-arom.-contg.; Heavy Fuel oil; [A very complex combination of hydrocarbons produced as the residual fraction from the distillation of vacuum residuum and the products from a thermal cracking process. It consists predominantly of hydrocarbons having carbon numbers predominantly greater than C20 and boiling above approximately 350 oC (662 oF). This stream is likely to contain 5 wt.% or more of 4- to 6-membered condensed ring aromatic hydrocarbons.]	272-187-9	68783-13-1	match not found	match not found
649-034-00-3	Distillates (petroleum), petroleum residues vacuum; Heavy Fuel oil; [A complex combination of hydrocarbons produced by the vacuum distillation of the residuum from the atmospheric distillation of crude oil.]	273-263-4	68955-27-1	match found	match found
649-035-00-9	Residues (petroleum), steam-cracked, resinous; Heavy Fuel oil; [A complex residuum from the distillation of steam-cracked petroleum residues.]	273-272-3	68955-36-2	match not found	match not found
649-036-00-4	Distillates (petroleum), intermediate vacuum; Heavy Fuel oil; [A complex combination of hydrocarbons produced by the vacuum distillation of the residuum from atmospheric distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C14 through C42 and boiling in the range of approximately 250 oC to 545 oC (482 oF to 1013 oF). This stream is likely to contain 5 wt. % or more of 4- to 6-membered condensed ring aromatic hydrocarbons.]	274-683-0	70592-76-6	match found	match found
649-037-00-X	Distillates (petroleum), light vacuum; Heavy Fuel oil; [A complex combination of hydrocarbons produced by the vacuum distillation of the residuum from atmospheric distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C11 through C35 and boiling in the range of approximately 250 oC to 545 oC (482 oF to 1013 oF).]	274-684-6	70592-77-7	match found	match found

Index No.	Name	EC No.	CAS No.	Registered	Notified
649-038-00-5	Distillates (petroleum), vacuum;Heavy Fuel oil;[A complex combination of hydrocarbons produced by the vacuum distillation of the residuum from atmospheric distillation of crude oil. It consists of hydrocarbons having numbers predominantly in the range of C15 through C50 and boiling in the range of approximately 270 oC to 600 oC (518 oF to 1112 oF). This stream is likely to contain 5 wt.% or more of 4- to 6-membered condensed ring aromatic hydrocarbons.]	274-685-1	70592-78-8	match found	match found
649-039-00-0	Gas oils (petroleum), hydrodesulfurized coker heavy vacuum;Heavy Fuel oil;[A complex combination of hydrocarbons obtained by hydrodesulfurization of heavy coker distillate stocks, It consists predominantly of hydrocarbons having carbon numbers predominantly in the range C18 to C44 and boiling in the range of approximately 304 oC to 548 oC (579 oF to 1018 oF). Likely to contain 5 % or more of 4- to 6-membered condensed ring aromatic hydrocarbons.]	285-555-9	85117-03-9	match not found	match not found
649-040-00-6	Residues (petroleum), steam-cracked, distillates;Heavy Fuel oil;[A complex combination of hydrocarbons obtained during the production of refined petroleum tar by the distillation of steam cracked tar. It consists predominantly of aromatic and other hydrocarbons and organic sulfur compounds.]	292-657-7	90669-75-3	match not found	match not found
649-041-00-1	Residues (petroleum), vacuum, light;Heavy Fuel oil;[A complex residuum from the vacuum distillation of the residuum from atmospheric distillation of crude oil. It consists predominantly of hydrocarbons having carbon numbers predominantly greater than C24 and boiling above approximately 390 oC (734 oF).]	292-658-2	90669-76-4	match found	match found
649-042-00-7	Fuel oil, heavy, high-sulfur;Heavy Fuel oil;[A complex combination of hydrocarbons obtained by the distillation of crude petroleum. It consists predominantly of aliphatic, aromatic and cycloaliphatic hydrocarbons having carbon numbers predominantly higher than C25 and boiling above approximately 400 oC (752 oF).]	295-396-7	92045-14-2	match found	match found
649-043-00-2	Residues (petroleum), catalytic cracking;Heavy Fuel oil;[A complex combination of hydrocarbons produced as the residual fraction from the distillation of the products from a catalytic cracking process. It consists predominantly of hydrocarbons having carbon numbers predominantly greater than C11 and boiling above approximately 200 oC (392 oF).]	295-511-0	92061-97-7	match found	match found
649-044-00-8	Distillates (petroleum), intermediate catalytic cracked, thermally degraded;Heavy Fuel oil;[A complex combination of hydrocarbons produced by the distillation of products from a catalytic cracking process which has been used as a heat transfer fluid. It consists predominantly of hydrocarbons boiling in the range of approximately 220 oC to 450 oC (428 oF to 842 oF). This stream is likely to contain organic sulfur compounds.]	295-990-6	92201-59-7	match not found	match not found
649-045-00-3	Residual oils (petroleum);Heavy Fuel oil;[A complex combination of hydrocarbons, sulfur compounds and metal-containing organic compounds obtained as the residue from refinery fractionation cracking processes. It produces a finished oil with a viscosity above 2cSt. at 100 oC.]	298-754-0	93821-66-0	match found	match found
649-046-00-9	Residues, steam cracked, thermally treated;Heavy Fuel oil;[A complex combination of hydrocarbons obtained by the treatment and distillation of raw steam-cracked naphtha. It consists predominantly of unsaturated hydrocarbons boiling in the range above approximately 180 oC (356 oF).]	308-733-0	98219-64-8	match found	match found
649-047-00-4	Distillates (petroleum), hydrodesulfurized full-range middle;Heavy Fuel oil;[A complex combination of hydrocarbons obtained by treating a petroleum stock with hydrogen. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C9 through C25 and boiling in the range of approximately 150 oC to 400 oC (302 oF to 752 oF).]	309-863-0	101316-57-8	match not found	match found
649-048-00-X	Residues (petroleum), catalytic reformer fractionator;Heavy Fuel oil;[A complex combination of hydrocarbons produced as the residual fraction from distillation of the product from a catalytic reforming process. It consists of predominantly aromatic hydrocarbons having carbon numbers predominantly in the range of C10 through C25 and boiling in the range of approximately 160 oC to 400 oC (320 oF to 725 oF). This stream is likely to contain 5 wt. % or more of 4- or 6-membered condensed ring aromatic hydrocarbons.]	265-069-3	64741-67-9	match found	match found

Index No.	Name	EC No.	CAS No.	Registered	Notified	
649-049-00-5	Petroleum;Crude oil;[A complex combination of hydrocarbons, It consists predominantly of aliphatic, alicyclic and aromatic hydrocarbons. It may also contain small amounts of nitrogen, oxygen and sulfur compounds. This category encompasses light, medium, and heavy petroleum, as well as the oils extended from tar sands. Hydrocarbonaceous materials requiring major chemical changes for their recovery or conversion to petroleum refinery feedstocks such as crude shale oils;upgraded shale oils and liquid coal fuels are not included in this definition.]	232-298-5	8002-05-9	match	not found	match found
649-050-00-0	Distillates (petroleum), light paraffinic;Unrefined or mildly refined baseoil;[A complex combination of hydrocarbons produced by vacuum distillation of the residuum from atmospheric distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C15 through C30 and produces a finished oil with a viscosity of less than 100 SUS at 100 oF (19cSt at 40 oC). It contains a relatively large proportion of saturated aliphatic hydrocarbons normally present in this distillation range of crude oil.]	265-051-5	64741-50-0	match found		match found
649-051-00-6	Distillates (petroleum), heavy paraffinic;Unrefined or mildly refined baseoil;[A complex combination of hydrocarbons produced by vacuum distillation of the residuum from atmospheric distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil with a viscosity of at least 100 SUS at 100 oF (19cSt at 40 oC). It contains a relatively large proportion of saturated aliphatic hydrocarbons.]	265-052-0	64741-51-1	match found		match found
649-052-00-1	Distillates (petroleum), light naphthenic;Unrefined or mildly refined baseoil;[A complex combination of hydrocarbons produced by vacuum distillation of the residuum from atmospheric distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C15 through C30 and produces a finished oil with a viscosity of less than 100 SUS at 100 oF (19cSt at 40 oC). It contains relatively few normal paraffins.]	265-053-6	64741-52-2	match found		match found
649-053-00-7	Distillates (petroleum), heavy naphthenic;Unrefined or mildly refined baseoil;[A complex combination of hydrocarbons produced by vacuum distillation of the residuum from atmospheric distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil with a viscosity of at least 100 SUS at 100 oF (19cSt at 40 oC). It contains relatively few normal paraffins.]	265-054-1	64741-53-3	match found		match found
649-054-00-2	Distillates (petroleum), acid-treated heavy naphthenic;Unrefined or mildly refined baseoil;[A complex combination of hydrocarbons obtained as a raffinate from a sulfuric acid treating process. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil with a viscosity of at least 100 SUS at 100 oF (19cSt at 40 oC). It contains relatively few normal	265-117-3	64742-18-3	match not found		match found
649-055-00-8	Distillates (petroleum), acid-treated light naphthenic;Unrefined or mildly refined baseoil;[A complex combination of hydrocarbons obtained as a raffinate from a sulfuric acid treating process. It consists of hydrocarbons having carbon numbers predominantly in the range of C15 through C30 and produces a finished oil with a viscosity of less than 100 SUS at 100 oF (19cSt at 40 oC). It contains relatively few normal	265-118-9	64742-19-4	match not found		match found
649-056-00-3	Distillates (petroleum), acid-treated heavy paraffinic;Unrefined or mildly refined baseoil;[A complex combination of hydrocarbons obtained as a raffinate from a sulfuric acid process. It consists predominantly of saturated hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil having a viscosity of at least 100 SUS at 100 oF (19cSt at 40 oC).]	265-119-4	64742-20-7	match not found		match not found
649-057-00-9	Distillates (petroleum), acid-treated light paraffinic;Unrefined or mildly refined baseoil;[A complex combination of hydrocarbons obtained as a raffinate from a sulfuric acid treating process. It consists predominantly of saturated hydrocarbons having carbon numbers predominantly in the range of C15 through C30 and produces a finished oil having a viscosity of less than 100 SUS at 100 oF (19cSt at 40 oC).]	265-121-5	64742-21-8	match not found		match found

Index No.	Name	EC No.	CAS No.	Registered	Notified
649-058-00-4	Distillates (petroleum), chemically neutralized heavy paraffinic;Unrefined or mildly refined baseoil;[A complex combination of hydrocarbons obtained from a treating process to remove acidic materials. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil with a viscosity of at least 100 SUS at 100 oF (19cSt at 40 oC). It contains a relatively large proportion of aliphatic hydrocarbons.]	265-127-8	64742-27-4	match	not found
649-059-00-X	Distillates (petroleum), chemically neutralized light paraffinic;Unrefined or mildly refined baseoil;[A complex combination of hydrocarbons produced by a treating process to remove acidic materials. It consists of hydrocarbons having carbon numbers predominantly in the range of C15 through C30 and produces a finished oil with a viscosity less than 100 SUS at 100 oF (19cSt at 40 oC).]	265-128-3	64742-28-5	match	not found
649-060-00-5	Distillates (petroleum), chemically neutralized heavy naphthenic;Unrefined or mildly refined baseoil;[A complex combination of hydrocarbons produced by a treating process to remove acidic materials. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil with a viscosity of at least 100 SUS at 100 oF (19cSt at 40 oC). It contains relatively few normal	265-135-1	64742-34-3	match	not found
649-061-00-0	Distillates (petroleum), chemically neutralized light naphthenic;Unrefined or mildly refined baseoil;[A complex combination of hydrocarbons produced by a treating process to remove acidic materials. It consists of hydrocarbons having carbon numbers predominantly in the range of C15 through C30 and produces a finished oil with a viscosity of less than 100 SUS a 100 oF (19cSt at 40 oC). It contains relatively few normal	265-136-7	64742-35-4	match	not found
649-062-00-6	Gases (petroleum), catalytic cracked naphtha depropanizer overhead, C3-rich acid-free;Petroleum gas;[A complex combination of hydrocarbons obtained from fractionation of catalytic cracked hydrocarbons and treated to remove acidic impurities. It consists of hydrocarbons having carbon numbers in the range of C2 through C4, predominantly C3.]	270-755-0	68477-73-6	match	not found
649-063-00-1	Gases (petroleum), catalytic cracker;Petroleum gas;[A complex combination of hydrocarbons produced by the distillation of the products from a catalytic cracking process. It consists predominantly of aliphatic hydrocarbons having carbon numbers predominantly in the range of C1 through C6.]	270-756-6	68477-74-7	match	not found
649-064-00-7	Gases (petroleum), catalytic cracker, C1-5-rich;Petroleum gas;[A complex combination of hydrocarbons produced by the distillation of products from a catalytic cracking process. It consists of aliphatic hydrocarbons having carbon numbers in the range of C1 through C6, predominantly C1 through C5.]	270-757-1	68477-75-8	match	not found
649-065-00-2	Gases (petroleum), catalytic polymd. naphtha stabilizer overhead, C2-4-rich;Petroleum gas;[A complex combination of hydrocarbons obtained from the fractionation stabilization of catalytic polymerized naphtha. It consists of aliphatic hydrocarbons having carbon numbers in the range of C2 through C6, predominantly C2 through C4.]	270-758-7	68477-76-9	match	not found
649-066-00-8	Gases (petroleum), catalytic reformer, C1-4-rich;Petroleum gas;[A complex combination of hydrocarbons produced by distillation of products from a catalytic reforming process. It consists of hydrocarbons having carbon numbers in the range of C1 through C6, predominantly C1 through C4.]	270-760-8	68477-79-2	match	not found
649-067-00-3	Gases (petroleum), C3-5 olefinic-paraffinic alkylation feed;Petroleum gas;[A complex combination of olefinic and paraffinic hydrocarbons having carbon numbers in the range of C3 through C5 which are used as alkylation feed. Ambient temperatures normally exceed the critical temperature of these	270-765-5	68477-83-8	match	found
649-068-00-9	Gases (petroleum), C4-rich;Petroleum gas;[A complex combination of hydrocarbons produced by distillation of products from a catalytic fractionation process. It consists of aliphatic hydrocarbons having carbon numbers in the range of C3 through C5, predominantly C4.]	270-767-6	68477-85-0	match	not found
649-069-00-4	Gases (petroleum), deethanizer overheads;Petroleum gas;[A complex combination of hydrocarbons produced from distillation of the gas and gasoline fractions from the catalytic cracking process. It contains predominantly ethane and ethylene.]	270-768-1	68477-86-1	match	not found

Index No.	Name	EC No.	CAS No.	Registered	Notified
649-070-00-X	Gases (petroleum), deisobutanizer tower overheads;Petroleum gas;[A complex combination of hydrocarbons produced by the atmospheric distillation of a butane-butylene stream. It consists of aliphatic hydrocarbons having carbon numbers predominantly in the range of C3 through C4.]	270-769-7	68477-87-2	match found	match found
649-071-00-5	Gases (petroleum), depropanizer dry, propene-rich;Petroleum gas;[A complex combination of hydrocarbons produced by the distillation of products from the gas and gasoline fractions of a catalytic cracking process. It consists predominantly of propylene with some ethane and propane.]	270-772-3	68477-90-7	match found	match found
649-072-00-0	Gases (petroleum), depropanizer overheads;Petroleum gas;[A complex combination of hydrocarbons produced by distillation of products from the gas and gasoline fractions of a catalytic cracking process. It consists of aliphatic hydrocarbons having carbon numbers predominantly in the range of C2 through C4.]	270-773-9	68477-91-8	match not found	match not found
649-073-00-6	Gases (petroleum), gas recovery plant depropanizer overheads;Petroleum gas;[A complex combination of hydrocarbons obtained by fractionation of miscellaneous hydrocarbon streams. It consists predominantly of hydrocarbons having carbon numbers in the range of C1 through C4, predominantly the C3 and C4.]	270-777-0	68477-94-1	match not found	match not found
649-074-00-1	Gases (petroleum), Girbotol unit feed;Petroleum gas;[A complex combination of hydrocarbons that is used as the feed into the Girbatol unit to remove hydrogen sulfide. It consists of aliphatic hydrocarbons having carbon numbers predominantly in the range of C2 through C4.]	270-778-6	68477-95-2	match not found	match not found
649-075-00-7	Gases (petroleum), isomerized naphtha fractionator, C4-rich, hydrogen sulfide-free;Petroleum gas	270-782-8	68477-99-6	match not found	match not found
649-076-00-2	Tail gas (petroleum), catalytic cracked clarified oil and thermal cracked vacuum residue fractionation reflux drum;Petroleum gas;[A complex combination of hydrocarbons obtained from fractionation of catalytic cracked clarified oil and thermal cracked vacuum residue. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C1 through C6.]	270-802-5	68478-21-7	match not found	match not found
649-077-00-8	Tail gas (petroleum), catalytic cracked naphtha stabilization absorber;Petroleum gas;[A complex combination of hydrocarbons obtained from the stabilization of catalytic cracked naphtha. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C1 through C6.]	270-803-0	68478-22-8	match not found	match not found
649-078-00-3	Tail gas (petroleum), catalytic cracker, catalytic reformer and hydrodesulfurizer combined fractionator;Petroleum gas;[A complex combination of hydrocarbons obtained from the fractionation of products from catalytic cracking, catalytic reforming and hydrodesulfurizing processes treated to remove acidic impurities. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C1 through C5.]	270-804-6	68478-24-0	match not found	match not found
649-079-00-9	Tail gas (petroleum), catalytic reformed naphtha fractionation stabilizer;Petroleum gas;[A complex combination of hydrocarbons obtained from the fractionation stabilization of catalytic reformed naphtha. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C1 through C6.]	270-806-7	68478-26-2	match not found	match not found
649-080-00-4	Tail gas (petroleum), saturate gas plant mixed stream, C4-rich;Petroleum gas;[A complex combination of hydrocarbons obtained from the fractionation stabilization of straight-run naphtha, distillation tail gas and catalytic reformed naphtha stabilizer tail gas. It consists of hydrocarbons having carbon numbers in the range of C3 through C6, predominantly butane and isobutane.]	270-813-5	68478-32-0	match not found	match not found
649-081-00-X	Tail gas (petroleum), saturate gas recovery plant, C1-2-rich;Petroleum gas;[A complex combination of hydrocarbons obtained from fractionation of distillate tail gas, straight-run naphtha, catalytic reformed naphtha stabilizer tail gas. It consists predominantly of hydrocarbons having carbon numbers in the range of C1 through C5, predominantly methane and	270-814-0	68478-33-1	match not found	match not found
649-082-00-5	Tail gas (petroleum), vacuum residues thermal cracker;Petroleum gas;[A complex combination of hydrocarbons obtained from the thermal cracking of vacuum residues. It consists of hydrocarbons having carbon numbers predominantly in the range of C1 through C5.]	270-815-6	68478-34-2	match not found	match not found

Index No.	Name	EC No.	CAS No.	Registered	Notified
649-083-00-0	Hydrocarbons, C3-4-rich, petroleum distillate; Petroleum gas; [A complex combination of hydrocarbons produced by distillation and condensation of crude oil. It consists of hydrocarbons having carbon numbers in the range of C3 through C5, predominantly C3 through C4.]	270-990-9	68512-91-4	match found	match found
649-084-00-6	Gases (petroleum), full-range straight-run naphtha dehexanizer off; petroleum gas; [A complex combination of hydrocarbons obtained by the fractionation of the full-range straight-run naphtha. It consists of hydrocarbons having carbon numbers predominantly in the range of C2 through C6.]	271-000-8	68513-15-5	match not found	match not found
649-085-00-1	Gases (petroleum), hydrocracking depropanizer off, hydrocarbon-rich; Petroleum gas; [A complex combination of hydrocarbon produced by the distillation of products from a hydrocracking process. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C1 through C4. It may also contain small amounts of hydrogen and hydrogen sulfide.]	271-001-3	68513-16-6	match not found	match not found
649-086-00-7	Gases (petroleum), light straight-run naphtha stabilizer off; Petroleum gas; [A complex combination of hydrocarbons obtained by the stabilization of light straight-run naphtha. It consists of saturated aliphatic hydrocarbons having carbon numbers predominantly in the range of C2 through C6.]	271-002-9	68513-17-7	match not found	match not found
649-087-00-2	Residues (petroleum), alkylation splitter, C4-rich; Petroleum gas; [A complex residuum from the distillation of streams various refinery operations. It consists of hydrocarbons having carbon numbers in the range of C4 through C5, predominantly butane and boiling in the range of approximately -11.7°C to 27.8°C (11°F to 82°F).]	271-010-2	68513-66-6	match found	match found
649-088-00-8	Hydrocarbons, C1-4; Petroleum gas; [A complex combination of hydrocarbons provided by thermal cracking and absorber operations and by distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C1 through C4 and boiling in the range of approximately minus 164°C to minus 0.5°C (-263°F to 31°F).]	271-032-2	68514-31-8	match not found	match not found
649-089-00-3	Hydrocarbons, C1-4, sweetened; Petroleum gas; [A complex combination of hydrocarbons obtained by subjecting hydrocarbon gases to a sweetening process to convert mercaptans or to remove acidic impurities. It consists of hydrocarbons having carbon numbers predominantly in the range of C1 through C4 and boiling in the range of approximately -164°C to -0.5°C (-263°F to 31°F).]	271-038-5	68514-36-3	match not found	match found
649-090-00-9	Hydrocarbons, C1-3; Petroleum gas; [A complex combination of hydrocarbons having carbon numbers predominantly in the range of C1 through C3 and boiling in the range of approximately minus 164°C to minus 42°C (-263°F to -44°F).]	271-259-7	68527-16-2	match not found	match found
649-091-00-4	Hydrocarbons, C1-4, debutanizer fraction; Petroleum gas	271-261-8	68527-19-5	match not found	match not found
649-092-00-X	Gases (petroleum), C1-5, wet; Petroleum gas; [A complex combination of hydrocarbons produced by the distillation of crude oil and/or the cracking of tower gas oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C1 through C5.]	271-624-0	68602-83-5	match found	match found
649-093-00-5	Hydrocarbons, C2-4; Petroleum gas	271-734-9	68606-25-7	match not found	match found
649-094-00-0	Hydrocarbons, C3; Petroleum gas	271-735-4	68606-26-8	match found	match found
649-095-00-6	Gases (petroleum), alkylation feed; Petroleum gas; [A complex combination of hydrocarbons produced by the catalytic cracking of gas oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C3 through C4.]	271-737-5	68606-27-9	match not found	match not found
649-096-00-1	Gases (petroleum), depropanizer bottoms fractionation off; Petroleum gas; [A complex combination of hydrocarbons obtained from the fractionation of depropanizer bottoms. It consists predominantly of butane, isobutane and butadiene.]	271-742-2	68606-34-8	match not found	match not found
649-097-00-7	Gases (petroleum), refinery blend; Petroleum gas; [A complex combination obtained from various processes. It consists of hydrogen, hydrogen sulfide and hydrocarbons having carbon numbers predominantly in the range of C1 through C5.]	272-183-7	68783-07-3	match found	match found
649-098-00-2	Gases (petroleum), catalytic cracking; Petroleum gas; [A complex combination of hydrocarbons produced by the distillation of the products from a catalytic cracking process. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C3 through C5.]	272-203-4	68783-64-2	match not found	match not found

Index No.	Name	EC No.	CAS No.	Registered	Notified
649-099-00-8	Gases (petroleum), C2-4, sweetened;Petroleum gas;[A complex combination of hydrocarbons obtained by subjecting a petroleum distillate to a sweetening process to convert mercaptans or to remove acidic impurities. It consists predominantly of saturated and unsaturated hydrocarbons having carbon numbers predominantly in the range of C2 through C4 and boiling in the range of approximately -51°C to -	272-205-5	68783-65-3	match found	match found
649-100-00-1	Gases (petroleum), crude oil fractionation off;Petroleum gas;[A complex combination of hydrocarbons produced by the fractionation of crude oil. It consists of saturated aliphatic hydrocarbons having carbon numbers predominantly in the range of C1 through C5.]	272-871-7	68918-99-0	match not found	match not found
649-101-00-7	Gases (petroleum), dehexanizer off;Petroleum gas;[A complex combination of hydrocarbons obtained by the fractionation of combined naphtha streams. It consists of saturated aliphatic hydrocarbons having carbon numbers predominantly in the range of C1 through C5.]	272-872-2	68919-00-6	match not found	match not found
649-102-00-2	Gases (petroleum), light straight run gasoline fractionation stabilizer off;Petroleum gas;[A complex combination of hydrocarbons obtained by the fractionation of light straight-run gasoline. It consists of saturated aliphatic hydrocarbons having carbon numbers predominantly in the range of C1 through C5.]	272-878-5	68919-05-1	match not found	match not found
649-103-00-8	Gases (petroleum), naphtha unfiner desulfurization stripper off;Petroleum gas;[A complex combination of hydrocarbons produced by a naphtha unfiner desulfurization process and stripped from the naphtha product. It consists of saturated aliphatic hydrocarbons having carbon numbers predominantly in the range of C1 through C4.]	272-879-0	68919-06-2	match not found	match not found
649-104-00-3	Gases (petroleum), straight-run naphtha catalytic reforming off;Petroleum gas;[A complex combination of hydrocarbons obtained by the catalytic reforming of straight-run naphtha and fractionation of the total effluent. It consists of methane, ethane, and propane.]	272-882-7	68919-09-5	match not found	match not found
649-105-00-9	Gases (petroleum), fluidized catalytic cracker splitter overheads;Petroleum gas;[A complex combination of hydrocarbons produced by the fractionation of the charge to the C3 -C4 splitter. It consists predominantly of C3 hydrocarbons.]	272-893-7	68919-20-0	match not found	match not found
649-106-00-4	Gases (petroleum), straight-run stabilizer off;Petroleum gas;[A complex combination of hydrocarbons obtained from the fractionation of the liquid from the first tower used in the distillation of crude oil. It consists of saturated aliphatic hydrocarbons having carbon numbers predominantly in the range of C1 through C4.]	272-883-2	68919-10-8	match found	match found
649-107-00-X	Gases (petroleum), catalytic cracked naphtha debutanizer;Petroleum gas;[A complex combination of hydrocarbons obtained from fractionation of catalytic cracked naphtha. It consists of hydrocarbons having carbon numbers predominantly in the range of C1 through C4.]	273-169-3	68952-76-1	match not found	match not found
649-108-00-5	Tail gas (petroleum), catalytic cracked distillate and naphtha stabilizer;Petroleum gas;[A complex combination of hydrocarbons obtained by the fractionation of catalytic cracked naphtha and distillate. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C1 through C4.]	273-170-9	68952-77-2	match not found	match not found
649-109-00-0	Tail gas (petroleum), thermal-cracked distillate, gas oil and naphtha absorber;petroleum gas;[A complex combination of hydrocarbons obtained from the separation of thermal-cracked distillates, naphtha and gas oil. It consists pedrominantly of hydrocarbons having carbon numbers predominantly in the range of C1 through C6.]	273-175-6	68952-81-8	match not found	match not found
649-110-00-6	Tail gas (petroleum), thermal cracked hydrocarbon fractionation stabilizer, petroleum coking;Petroleum gas;[A complex combination of hydrocarbons obtained from the fractionation stabilization of thermal cracked hydrocarbons from petroleum coking process. It consists of hydrocarbons having carbon numbers predominantly in the range of C1 through C6.]	273-176-1	68952-82-9	match not found	match not found
649-111-00-1	Gases (petroleum, light steam-cracked, butadiene conc.;Petroleum gas;[A complex combination of hydrocarbons produced by the distillation of products from a thermal cracking process. It consists of hydrocarbons having a carbon number predominantly of C4.]	273-265-5	68955-28-2	match found	match found

Index No.	Name	EC No.	CAS No.	Registered	Notified
649-112-00-7	Gases (petroleum), straight-run naphtha catalytic reformer stabilizer overhead;Petroleum gas;[A complex combination of hydrocarbons obtained by the catalytic reforming of straight-run naphtha and the fractionation of the total effluent. It consists of saturated aliphatic hydrocarbons having carbon numbers predominantly in the range of C2 through C4.]	273-270-2	68955-34-0	match	not found
649-113-00-2	Hydrocarbons, C4;Petroleum gas	289-339-5	87741-01-3	match found	match found
649-114-00-8	Alkanes, C1-4, C3-rich;Petroleum gas	292-456-4	90622-55-2	match not found	match not found
649-115-00-3	Gases (petroleum), steam-cracker C3-rich;Petroleum gas;[A complex combination of hydrocarbons produced by the distillation of products from a steam cracking process. It consists predominantly of propylene with some propane and boils in the range of approximately -70°C to 0°C (-94°F to 32°F).]	295-404-9	92045-22-2	match not found	match not found
649-116-00-9	Hydrocarbons, C4, steam-cracker distillate;Petroleum gas;[A complex combination of hydrocarbons produced by the distillation of the products of a steam cracking process. It consists predominantly of hydrocarbons having a carbon number of C4, predominantly 1-butene and 2-butene, containing also butane and isobutene and boiling in the range of approximately minus 12°C to 5°C (10.4°F to 41°F).]	295-405-4	92045-23-3	match found	match found
649-117-00-4	Petroleum gases, liquefied, sweetened, C4 fraction;Petroleum gas;[A complex combination of hydrocarbons obtained by subjecting a liquified petroleum gas mix to a sweetening process to oxidize mercaptans or to remove acidic impurities. It consists predominantly of C4 saturated and unsaturated hydrocarbons.]	295-463-0	92045-80-2	match found	match found
649-118-00-X	Hydrocarbons, C4, 1,3-butadiene- and isobutene-free;Petroleum gas	306-004-1	95465-89-7	match found	match found
649-119-00-5	Raffinates (petroleum), steam-cracked C4 fraction cuprous ammonium acetate extrn., C3-5 and C3-5 unsatd., butadiene-free;Petroleum gas	307-769-4	97722-19-5	match not found	match found
649-120-00-0	Gases (petroleum), amine system feed;Refinery gas;[The feed gas to the amine system for removal of hydrogen sulfide. It consists of hydrogen. Carbon monoxide, carbon dioxide, hydrogen sulfide and aliphatic hydrocarbons having carbon numbers predominantly in the range of C1 through C5 may also be present.]	270-746-1	68477-65-6	match not found	match not found
649-121-00-6	Gases (petroleum), benzene unit hydrodesulfurizer off;Refinery gas;[Off gases produced by the benzene unit. It consists primarily of hydrogen. Carbon monoxide and hydrocarbons having carbon numbers predominantly in the range of C1 through C6, including benzene, may also be present.]	270-747-7	68477-66-7	match not found	match not found
649-122-00-1	Gases (petroleum), benzene unit recycle, hydrogen-rich;Refinery gas;[A complex combination of hydrocarbons obtained by recycling the gases of the benzene unit. It consists primarily of hydrogen with various small amounts of carbon monoxide and hydrocarbons having carbon numbers in the range of C1 through C6.]	270-748-2	68477-67-8	match not found	match not found
649-123-00-7	Gases (petroleum), blend oil, hydrogen-nitrogen-rich;Refinery gas;[A complex combination of hydrocarbons obtained by distillation of a blend oil. It consists primarily of hydrogen and nitrogen with various small amounts of carbon monoxide, carbon dioxide, and aliphatic hydrocarbons having carbon numbers predominantly in the range of C1 through C5.]	270-749-8	68477-68-9	match not found	match not found
649-124-00-2	Gases (petroleum), catalytic reformed naphtha stripper overheads;Refinery gas;[A complex combination of hydrocarbons obtained from stabilization of catalytic reformed naphtha. Its consists of hydrogen and saturated hydrocarbons having carbon numbers predominantly in the range of C1 through C4.]	270-759-2	68477-77-0	match found	match found
649-125-00-8	Gases (petroleum), C6-8 catalytic reformer recycle;Refinery gas;[A complex combination of hydrocarbons produced by distillation of products from catalytic reforming of C6-C8 feed and recycled to conserve hydrogen. It consists primarily of hydrogen. It may also contain various small amounts of carbon monoxide, carbon dioxide, nitrogen, and hydrocarbons having carbon numbers predominantly in the range of C1 through C6.]	270-761-3	68477-80-5	match not found	match not found
649-126-00-3	Gases (petroleum), C6-8 catalytic reformer;Refinery gas;[A complex combination of hydrocarbons produced by distillation of products from catalytic reforming of C6-C8feed. It consists of hydrocarbons having carbon numbers in the range of C1 through C5 and hydrogen.]	270-762-9	68477-81-6	match not found	match not found

Index No.	Name	EC No.	CAS No.	Registered	Notified
649-127-00-9	Gases (petroleum), C6-8 catalytic reformer recycle, hydrogen-rich;Refinery gas	270-763-4	68477-82-7	match	not found
649-128-00-4	Gases (petroleum), C2-return stream;Refinery gas;[A complex combination of hydrocarbons obtained by the extraction of hydrogen from a gas stream which consists primarily of hydrogen with small amounts of nitrogen, carbon monoxide, methane, ethane, and ethylene. It contains predominantly hydrocarbons such as methane, ethane, and ethylene with small amounts of hydrogen, nitrogen and carbon monoxide.]	270-766-0	68477-84-9	match	not found
649-129-00-X	Gases (petroleum), dry sour, gas-concn.-unit-off;Refinery gas;[The complex combination of dry gases from a gas concentration unit. It consists of hydrogen, hydrogen sulfide and hydrocarbons having carbon numbers predominantly in the range of C1 through C3.]	270-774-4	68477-92-9	match	not found
649-130-00-5	Gases (petroleum), gas concn. reabsorber distn.;Refinery gas;[A complex combination of hydrocarbons produced by distillation of products from combined gas streams in a gas concentration reabsorber. It consists predominantly of hydrogen, carbon monoxide, carbon dioxide, nitrogen, hydrogen sulfide and hydrocarbons having carbon numbers in the range of C1 through C3.]	270-776-5	68477-93-0	match	not found
649-131-00-0	Gases (petroleum), hydrogen absorber off;Refinery gas;[A complex combination obtained by absorbing hydrogen from a hydrogen rich stream. It consists of hydrogen, carbon monoxide, nitrogen, and methane with small amounts of C2 hydrocarbons.]	270-779-1	68477-96-3	match	not found
649-132-00-6	Gases (petroleum), hydrogen-rich;Refinery gas;[A complex combination separated as a gas from hydrocarbon gases by chilling. It consists primarily of hydrogen with various small amounts of carbon monoxide, nitrogen, methane, and C2 hydrocarbons.]	270-780-7	68477-97-4	match	not found
649-133-00-1	Gases (petroleum), hydrotreater blend oil recycle, hydrogen-nitrogen-rich;Refinery gas;[A complex combination obtained from recycled hydrotreated blend oil. It consists primarily of hydrogen and nitrogen with various small amounts of carbon monoxide, carbon dioxide and hydrocarbons having carbon numbers predominantly in the range of C1 through C5.]	270-781-2	68477-98-5	match	not found
649-134-00-7	Gases (petroleum), recycle, hydrogen-rich;Refinery gas;[A complex combination obtained from recycled reactor gases. It consists primarily of hydrogen with various small amounts of carbon monoxide, carbon dioxide, nitrogen, hydrogen sulfide, and saturated aliphatic hydrocarbons having carbon numbers in the range of C1 through C5.]	270-783-3	68478-00-2	match	not found
649-135-00-2	Gases (petroleum), reformer make-up, hydrogen-rich;Refinery gas;[A complex combination obtained from the reformers. It consists primarily of hydrogen with various small amounts of carbon monoxide and aliphatic hydrocarbons having carbon numbers predominantly in the range of C1 through C5.]	270-784-9	68478-01-3	match	not found
649-136-00-8	Gases (petroleum), reforming hydrotreater;Refinery gas;[A complex combination obtained from the reforming hydrotreating process. It consists primarily of hydrogen, methane, and ethane with various small amounts of hydrogen sulfide and aliphatic hydrocarbons having carbon numbers predominantly in the range of C3 through C5.]	270-785-4	68478-02-4	match	not found
649-137-00-3	Gases (petroleum), reforming hydrotreater, hydrogen-methane-rich;Refinery gas;[A complex combination obtained from the reforming hydrotreating process. It consists primarily of hydrogen and methane with various small amounts of carbon monoxide, carbon dioxide, nitrogen and saturated aliphatic hydrocarbons having carbon numbers predominantly in the range of C2 through C5.]	270-787-5	68478-03-5	match	not found
649-138-00-9	Gases (petroleum), reforming hydrotreater make-up, hydrogen-rich;Refinery gas;[A complex combination obtained from the reforming hydrotreating process. It consists primarily of hydrogen with various small amounts of carbon monoxide and aliphatic hydrocarbons having carbon numbers predominantly in the range of C1 through C5.]	270-788-0	68478-04-6	match	not found
649-139-00-4	Gases (petroleum), thermal cracking distn.;Refinery gas;[A complex combination produced by distillation of products from a thermal cracking process. It consists of hydrogen, hydrogen sulfide, carbon monoxide, carbon dioxide and hydrocarbons having carbon numbers predominantly in the range of C1 through C6.]	270-789-6	68478-05-7	match	not found

Index No.	Name	EC No.	CAS No.	Registered	Notified
649-140-00-X	Tail gas (petroleum), catalytic cracker refractation absorber;Refinery gas;[A complex combination of hydrocarbons obtained from refractation of products from a catalytic cracking process. It consists of hydrogen and hydrocarbons having carbon numbers predominantly in the range of C1 through C6.]	270-805-1	68478-25-1	match	not found
649-141-00-5	Tail gas (petroleum), catalytic reformed naphtha separator;Refinery gas;[A complex combination of hydrocarbons obtained from the catalytic reforming of straight run naphtha. It consists of hydrogen and hydrocarbons having carbon numbers predominantly in the range of C1 through C6.]	270-807-2	68478-27-3	match	not found
649-142-00-0	Tail gas (petroleum), catalytic reformed naphtha stabilizer;Refinery gas;[A complex combination of hydrocarbons obtained from the stabilization of catalytic reformed naphtha. It consists of hydrogen and hydrocarbons having carbon numbers predominantly in the range of C1 through C6.]	270-808-8	68478-28-4	match	not found
649-143-00-6	Tail gas (petroleum), cracked distillate hydrotreater separator;Refinery gas;[A complex combination of hydrocarbons obtained by treating cracked distillates with hydrogen in the presence of a catalyst. It consists of hydrogen and saturated aliphatic hydrocarbons having carbon numbers predominantly in the range of C1 through C5.]	270-809-3	68478-29-5	match	not found
649-144-00-1	Tail gas (petroleum), hydrodesulfurized straight-run naphtha separator;Refinery gas;[A complex combination of hydrocarbons obtained from hydrodesulfurization of straight-run naphtha. It consists of hydrogen and saturated aliphatic hydrocarbons having carbon numbers predominantly in the range of C1 through C6.]	270-810-9	68478-30-8	match	not found
649-145-00-7	Gases (petroleum), catalytic reformed straight-run naphtha stabilizer overheads;Refinery gas;[A complex combination of hydrocarbons obtained from the catalytic reforming of straight-run naphtha followed by fractionation of the total effluent. It consists of hydrogen, methane, ethane and propane.]	270-999-8	68513-14-4	match	not found
649-146-00-2	Gases (petroleum), reformer effluent high-pressure flash drum off;Refinery gas;[A complex combination produced by the high-pressure flashing of the effluent from the reforming reactor. It consists primarily of hydrogen with various small amounts of methane, ethane, and propane.]	271-003-4	68513-18-8	match	not found
649-147-00-8	Gases (petroleum), reformer effluent low-pressure flash drum off;Refinery gas;[A complex combination produced by low-pressure flashing of the effluent from the reforming reactor. It consists primarily of hydrogen with various small amounts of methane, ethane, and propane.]	271-005-5	68513-19-9	match	not found
649-148-00-3	Gases (petroleum), oil refinery gas distn. off;Refinery gas;[A complex combination separated by distillation of a gas stream containing hydrogen, carbon monoxide, carbon dioxide and hydrocarbons having carbon numbers in the range of C1 through C6 or obtained by cracking ethane and propane. It consists of hydrocarbons having carbon numbers predominantly in the range of C1 through C2, hydrogen, nitrogen, and carbon monoxide.]	271-258-1	68527-15-1	match	not found
649-149-00-9	Gases (petroleum), benzene unit hydrotreater depentanizer overheads;Refinery gas;[A complex combination produced by treating the feed from the benzene unit with hydrogen in the presence of a catalyst followed by depentanizing. It consists primarily of hydrogen, ethane and propane with various small amounts of nitrogen, carbon monoxide, carbon dioxide and hydrocarbons having carbon numbers predominantly in the range of C1 through C6. It may contain trace amounts of benzene.]	271-623-5	68602-82-4	match	not found
649-150-00-4	Gases (petroleum), secondary absorber off, fluidized catalytic cracker overheads fractionator;Refinery gas;[A complex combination produced by the fractionation of the overhead products from the catalytic cracking process in the fluidized catalytic cracker. It consists of hydrogen, nitrogen, and hydrocarbons having carbon numbers predominantly in the range of C1 through C6.]	271-625-6	68602-84-6	match	not found
649-151-00-X	Petroleum products, refinery gases;Refinery gas;[A complex combination which consists primarily of hydrogen with various small amounts of methane, ethane, and propane.]	271-750-6	68607-11-4	match	not found

Index No.	Name	EC No.	CAS No.	Registered	Notified
649-152-00-5	Gases (petroleum), hydrocracking low-pressure separator;Refinery gas;[A complex combination obtained by the liquid-vapor separation of the hydrocracking process reactor effluent. It consists predominantly of hydrogen and saturated hydrocarbons having carbon numbers predominantly in the range of C1 through C3.]	272-182-1	68783-06-2	match	not found
649-153-00-0	Gases (petroleum), refinery;Refinery gas;[A complex combination obtained from various petroleum refining operations. It consists of hydrogen and hydrocarbons having carbon numbers predominantly in the range of C1 through C3.]	272-338-9	68814-67-5	match	not found
649-154-00-6	Gases (petroleum), platformer products separator off;Refinery gas;[A complex combination obtained from the chemical reforming of naphthenes to aromatics. It consists of hydrogen and saturated aliphatic hydrocarbons having carbon numbers predominantly in the range of C2 through C4.]	272-343-6	68814-90-4	match	not found
649-155-00-1	Gases (petroleum), hydrotreated sour kerosine depentanizer stabilizer off;Refinery gas;[The complex combination obtained from the depentanizer stabilization of hydrotreated kerosine. It consists primarily of hydrogen, methane, ethane, and propane with various small amounts of nitrogen, hydrogen sulfide, carbon monoxide and hydrocarbons having carbon numbers predominantly in the range of C4 through C5.]	272-775-5	68911-58-0	match	not found
649-156-00-7	Gases (petroleum), hydrotreated sour kerosine flash drum;Refinery gas;[A complex combination obtained from the flash drum of the unit treating sour kerosine with hydrogen in the presence of a catalyst. It consists primarily of hydrogen and methane with various small amounts of nitrogen, carbon monoxide, and hydrocarbons having carbon numbers predominantly in the range of C2 through C5.]	272-776-0	68911-59-1	match	not found
649-157-00-2	Gases (petroleum), distillate unfiner desulfurization stripper off;Refinery gas;[A complex combination stripped from the liquid product of the unfiner desulfurization process. It consists of hydrogen sulfide, methane, ethane, and propane.]	272-873-8	68919-01-7	match	not found
649-158-00-8	Gases (petroleum), fluidized catalytic cracker fractionation off;Refinery gas;[A complex combination produced by the fractionation of the overhead product of the fluidized catalytic cracking process. It consists of hydrogen, hydrogen sulfide, nitrogen, and hydrocarbons having carbon numbers predominantly in the range of C1 through C5.]	272-874-3	68919-02-8	match	not found
649-159-00-3	Gases (petroleum), fluidized catalytic cracker scrubbing secondary absorber off;Refinery gas;[A complex combination produced by scrubbing the overhead gas from the fluidized catalytic cracker. It consists of hydrogen, nitrogen, methane, ethane and propane.]	272-875-9	68919-03-9	match	not found
649-160-00-9	Gases (petroleum), heavy distillate hydrotreater desulfurization stripper off;Refinery gas;[A complex combination stripped from the liquid product of the heavy distillate hydrotreater desulfurization process. It consists of hydrogen, hydrogen sulfide, and saturated aliphatic hydrocarbons having carbon numbers predominantly in the range of C1 through C5.]	272-876-4	68919-04-0	match	not found
649-161-00-4	Gases (petroleum), platformer stabilizer off, light ends fractionation;Refinery gas;[A complex combination obtained by the fractionation of the light ends of the platinum reactors of the platformer unit. It consists of hydrogen, methane, ethane and propane.]	272-880-6	68919-07-3	match	not found
649-162-00-X	Gases (petroleum), preflash tower off, crude distn.;Refinery gas;[A complex combination produced from the first tower used in the distillation of crude oil. It consists of nitrogen and saturated aliphatic hydrocarbons having carbon numbers predominantly in the range of C1 through C5.]	272-881-1	68919-08-4	match	not found
649-163-00-5	Gases (petroleum), tar stripper off;Refinery gas;[A complex combination obtained by the fractionation of reduced crude oil. It consists of hydrogen and hydrocarbons having carbon numbers predominantly in the range of C1 through C4.]	272-884-8	68919-11-9	match	not found
649-164-00-0	Gases (petroleum), unfiner stripper off;Refinery gas;[A combination of hydrogen and methane obtained by fractionation of the products from the unfiner unit.]	272-885-3	68919-12-0	match	not found
649-165-00-6	Tail gas (petroleum), catalytic hydrodesulfurized naphtha separator;Refinery gas;[A complex combination of hydrocarbons obtained from the hydrodesulfurization of naphtha. It consists of hydrogen, methane, ethane, and propane.]	273-173-5	68952-79-4	match	not found

Index No.	Name	EC No.	CAS No.	Registered	Notified
649-166-00-1	Tail gas (petroleum), straight-run naphtha hydrodesulfurizer;Refinery gas;[A complex combination obtained from the hydrodesulfurization of straight-run naphtha. It consists of hydrogen and hydrocarbons having carbon numbers predominantly in the range of C1 through C5.]	273-174-0	68952-80-7	match	not found
649-167-00-7	Gases (petroleum), sponge absorber off, fluidized catalytic cracker and gas oil desulfurizer overhead fractionation;Refinery gas;[A complex combination obtained by the fractionation of products from the fluidized catalytic cracker and gas oil desulfurizer. It consists of hydrogen and hydrocarbons having carbon numbers predominantly in the range of C1 through C4.]	273-269-7	68955-33-9	match	not found
649-168-00-2	Gases (petroleum), crude distn. and catalytic cracking;Refinery gas;[A complex combination produced by crude distillation and catalytic cracking processes. It consists of hydrogen, hydrogen sulfide, nitrogen, carbon monoxide and paraffinic and olefinic hydrocarbons having carbon numbers predominantly in the range of C1 through C6.]	273-563-5	68989-88-8	match found	match found
649-169-00-8	Gases (petroleum), gas oil diethanolamine scrubber off;Refinery gas;[A complex combination produced by desulfurization of gas oils with diethanolamine. It consists predominantly of hydrogen sulfide, hydrogen and aliphatic hydrocarbons having carbon numbers in the range of C1 through C5.]	295-397-2	92045-15-3	match	not found
649-170-00-3	Gases (petroleum), gas oil hydrodesulfurization effluent;Refinery gas;[A complex combination obtained by separation of the liquid phase from the effluent from the hydrogenation reaction. It consists predominantly of hydrogen, hydrogen sulfide and aliphatic hydrocarbons having carbon numbers predominantly in the range of C1 through C3.]	295-398-8	92045-16-4	match	not found
649-171-00-9	Gases (petroleum), gas oil hydrodesulfurization purge;Refinery gas;[A complex combination of gases obtained from the reformer and from the purges from the hydrogenation reactor. It consists predominantly of hydrogen and aliphatic hydrocarbons having carbon numbers predominantly in the range of C1 through C6.]	295-399-3	92045-17-5	match	not found
649-172-00-4	Gases (petroleum), hydrogenator effluent flash drum off;Refinery gas;[A complex combination of gases obtained from flash of the effluents after the hydrogenation reaction. It consists predominantly of hydrogen and aliphatic hydrocarbons having carbon numbers predominantly in the range of C1 through C6.]	295-400-7	92045-18-6	match	not found
649-173-00-X	Gases (petroleum), naphtha steam cracking high-pressure residual;Refinery gas;[A complex combination obtained as a reaction mass of the non-condensable portions from the product of a naphtha steam cracking process as well as residual gases obtained during the preparation of subsequent products. It consists predominantly of hydrogen and paraffinic and olefinic hydrocarbons having carbon numbers predominantly in the range of C1 through C5 with which natural gas may also be mixed.]	295-401-2	92045-19-7	match	not found
649-174-00-5	Gases (petroleum), residue visbaking off;Refinery gas;[A complex combination obtained from viscosity reduction of residues in a furnace. It consists predominantly of hydrogen sulfide and paraffinic and olefinic hydrocarbons having carbon numbers predominantly in the range of C1 through C5.]	295-402-8	92045-20-0	match	not found
649-175-00-0	Foots oil (petroleum), acid-treated;Foots oil;[A complex combination of hydrocarbons obtained by treatment of Foot's oil with sulfuric acid. It consists predominantly of branched-chain hydrocarbons with carbon numbers predominantly in the range of C20 through C50.]	300-225-7	93924-31-3	match	not found
649-176-00-6	Foots oil (petroleum), clay-treated;Foots oil;[A complex combination of hydrocarbons obtained by treatment of Foot's oil with natural or modified clay in either a contacting or percolation process to remove the trace amounts of polar compounds and impurities present. It consists predominantly of branched chain hydrocarbons with carbon numbers predominantly in the range of C20 through C50.]	300-226-2	93924-32-4	match	not found
649-177-00-1	Gases (petroleum), C3-4;Petroleum gas;[A complex combination of hydrocarbons produced by distillation of products from the cracking of crude oil. It consists of hydrocarbons having carbon numbers in the range of C3 through C4, predominantly of propane and propylene, and boiling in the range of approximately -51°C to -1°C (-60°F to 30°F.)]	268-629-5	68131-75-9	match found	match found

Index No.	Name	EC No.	CAS No.	Registered	Notified
649-178-00-7	Tail gas (petroleum), catalytic cracked distillate and catalytic cracked naphtha fractionation absorber;Petroleum gas;[The complex combination of hydrocarbons from the distillation of the products from catalytic cracked distillates and catalytic cracked naphtha. It consists predominantly of hydrocarbons having carbon numbers in the range of C1 through C4.]	269-617-2	68307-98-2	match	not found
649-179-00-2	Tail gas (petroleum), catalytic polymn. naphtha fractionation stabilizer;Petroleum gas;[A complex combination of hydrocarbons from the fractionation stabilization products from polymerization of naphtha. It consists predominantly of hydrocarbons having carbon numbers in the range of C1 through C4.]	269-618-8	68307-99-3	match	not found
649-180-00-8	Tail gas (petroleum), catalytic reformed naphtha fractionation stabilizer, hydrogen sulfide-free;Petroleum gas;[A complex combination of hydrocarbons obtained from fractionation stabilization of catalytic reformed naphtha and from which hydrogen sulfide has been removed by amine treatment. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C1 through C4.]	269-619-3	68308-00-9	match	not found
649-181-00-3	Tail gas (petroleum), cracked distillate hydrotreater stripper;Petroleum gas;[A complex combination of hydrocarbons obtained by treating thermal cracked distillates with hydrogen in the presence of a catalyst. It consists predominantly of saturated hydrocarbons having carbon numbers predominantly in the range of C1 through C6.]	269-620-9	68308-01-0	match	not found
649-182-00-9	Tail gas (petroleum), straight-run distillate hydrodesulfurizer, hydrogen sulfide-free;Petroleum gas;[A complex combination of hydrocarbons obtained from catalytic hydrodesulfurization of straight run distillates and from which hydrogen sulfide has been removed by amine treatment. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C1 through C4.]	269-630-3	68308-10-1	match	not found
649-183-00-4	Tail gas (petroleum), gas oil catalytic cracking absorber;Petroleum gas;[A complex combination of hydrocarbons obtained from the distillation of products from the catalytic cracking of gas oil. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C1 through C6.]	269-623-5	68308-03-2	match	not found
649-184-00-X	Tail gas (petroleum), gas recovery plant;Petroleum gas;[A complex combination of hydrocarbons from the distillation of products from miscellaneous hydrocarbon streams. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C1 through C5.]	269-624-0	68308-04-3	match	not found
649-185-00-5	Tail gas (petroleum), gas recovery plant deethanizer;Petroleum gas;[A complex combination of hydrocarbons from the distillation of products from miscellaneous hydrocarbon streams. It consists of hydrocarbons having carbon numbers predominantly in the range of C1 through C4.]	269-625-6	68308-05-4	match	not found
649-186-00-0	Tail gas (petroleum), hydrodesulfurized distillate and hydrodesulfurized naphtha fractionator, acid-free;Petroleum gas;[A complex combination of hydrocarbons obtained from fractionation of hydrodesulfurized naphtha and distillate hydrocarbon streams and treated to remove acidic impurities. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C1 through C5.]	269-626-1	68308-06-5	match	not found
649-187-00-6	Tail gas (petroleum), hydrodesulfurized vacuum gas oil stripper, hydrogen sulfide-free;Petroleum gas;[A complex combination of hydrocarbons obtained from stripping stabilization of catalytic hydrodesulfurized vacuum gas oil and from which hydrogen sulfide has been removed by amine treatment. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C1 through C6.]	269-627-7	68308-07-6	match	not found
649-188-00-1	Tail gas (petroleum), light straight-run naphtha stabilizer, hydrogen sulfide-free;Petroleum gas;[A complex combination of hydrocarbons obtained from fractionation stabilization of light straight run naphtha and from which hydrogen sulfide has been removed by amine treatment. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C1 through C5.]	269-629-8	68308-09-8	match	not found

Index No.	Name	EC No.	CAS No.	Registered	Notified
649-189-00-7	Tail gas (petroleum), propane-propylene alkylation feed prep deethanizer;Petroleum gas;[A complex combination of hydrocarbons obtained from the distillation of the reaction products of propane with propylene. It consists of hydrocarbons having carbon numbers predominantly in the range of C1 through C4.]	269-631-9	68308-11-2	match not found	match not found
649-190-00-2	Tail gas (petroleum), vacuum gas oil hydrodesulfurizer, hydrogen sulfide-free;Petroleum gas;[A complex combination of hydrocarbons obtained from catalytic hydrodesulfurization of vacuum gas oil and from which hydrogen sulfide has been removed by amine treatment. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C1 through C6.]	269-632-4	68308-12-3	match not found	match not found
649-191-00-8	Gases (petroleum), catalytic cracked overheads;Petroleum gas;[A complex combination of hydrocarbons produced by the distillation of products from the catalytic cracking process. It consists of hydrocarbons having carbon numbers predominantly in the range of C3 through C5 and boiling in the range of approximately -48°C to 32°C (-54°F to 90°F).]	270-071-2	68409-99-4	match found	match found
649-193-00-9	Alkanes, C1-2;Petroleum gas	270-651-5	68475-57-0	match not found	match not found
649-194-00-4	Alkanes, C2-3;Petroleum gas	270-652-0	68475-58-1	match not found	match not found
649-195-00-X	Alkanes, C3-4;petroleum gas	270-653-6	68475-59-2	match not found	match found
649-196-00-5	Alkanes, C4-5;Petroleum gas	270-654-1	68475-60-5	match found	match found
649-197-00-0	Fuel gases;Petroleum gas;[A combination of light gases. It consists predominantly of hydrogen and/or low molecular weight hydrocarbons.]	270-667-2	68476-26-6	match found	match found
649-198-00-6	Fuel gases, crude oil of distillates;Petroleum gas;[A complex combination of light gases produced by distillation of crude oil and by catalytic reforming of naphtha. It consists of hydrogen and hydrocarbons having carbon numbers predominantly in the range of C1 through C4 and boiling in the range of approximately -217°C to -12°C (-423°F to 10°F).]	270-670-9	68476-29-9	match found	match found
649-199-00-1	Hydrocarbons, C3-4;Petroleum gas	270-681-9	68476-40-4	match found	match found
649-200-00-5	Hydrocarbons, C4-5;Petroleum gas	270-682-4	68476-42-6	match not found	match not found
649-201-00-0	Hydrocarbons, C2-4, C3-rich;Petroleum gas	270-689-2	68476-49-3	match found	match found
649-202-00-6	Petroleum gases, liquefied;Petroleum gas;[A complex combination of hydrocarbons produced by the distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C3 through C7 and boiling in the range of approximately -40 °C to 80 °C (-40 °F to 176 °F).]	270-704-2	68476-85-7	match found	match found
649-203-00-1	Petroleum gases, liquefied, sweetened;Petroleum gas;[A complex combination of hydrocarbons obtained by subjecting liquefied petroleum gas mix to a sweetening process to convert mercaptans or to remove acidic impurities. It consists of hydrocarbons having carbon numbers predominantly in the range of C3 through C7 and boiling in the range of approximately -40 °C to 80 °C (-40 °F to 176 °F).]	270-705-8	68476-86-8	match found	match found
649-204-00-7	gases (petroleum), C3-4, isobutane-rich;Petroleum gas;[A complex combination of hydrocarbons from the distillation of saturated and unsaturated hydrocarbons usually ranging in carbon numbers from C3 through C6, predominantly butane and isobutane. It consists of saturated and unsaturated hydrocarbons having carbon numbers in the range of C3 through C4, predominantly isobutane.]	270-724-1	68477-33-8	match found	match found
649-205-00-2	Distillates (petroleum), C3-6, piperylene-rich;Petroleum gas;[A complex combination of hydrocarbons from the distillation of saturated and unsaturated aliphatic hydrocarbons usually ranging in the carbon numbers C3 through C6. It consists of saturated and unsaturated hydrocarbons having carbon numbers in the range of C3 through C6, predominantly	270-726-2	68477-35-0	match found	match found
649-206-00-8	Gases (petroleum), butane splitter overheads;Petroleum gas;[A complex combination of hydrocarbons obtained from the distillation of the butane stream. It consists of aliphatic hydrocarbons having carbon numbers predominantly in the range of C2 through C4.]	270-750-3	68477-69-0	match found	match found
649-207-00-3	Gases (petroleum), C2-3;Petroleum gas;[A complex combination of hydrocarbons produced by the distillation of products from a catalytic fractionation process. It contains predominantly ethane, ethylene, propane, and propylene.]	270-751-9	68477-70-3	match not found	match not found

Index No.	Name	EC No.	CAS No.	Registered	Notified
649-208-00-9	Gases (petroleum), catalytic-cracked gas oil depropanizer bottoms, C4-rich acid-free; Petroleum gas; [A complex combination of hydrocarbons obtained from fractionation of catalytic cracked gas oil hydrocarbon stream and treated to remove hydrogen sulfide and other acidic components. It consists of hydrocarbons having carbon numbers in the range of C3 through C5, predominantly C4.]	270-752-4	68477-71-4	match found	match found
649-209-00-4	Gases (petroleum), catalytic-cracked naphtha debutanizer bottoms, C3-5-rich; Petroleum gas; [A complex combination of hydrocarbons obtained from the stabilization of catalytic cracked naphtha. It consists of aliphatic hydrocarbons having carbon numbers predominantly in the range of C3 through C5.]	270-754-5	68477-72-5	match not found	match not found
649-210-00-X	Tail gas (petroleum), isomerized naphtha fractionation stabilizer; Petroleum gas; [A complex combination of hydrocarbons obtained from the fractionation stabilization products from isomerized naphtha. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C1 through C4.]	269-628-2	68308-08-7	match not found	match not found
649-211-00-5	Foots oil (petroleum), carbon-treated; Foots oil; [A complex combination of hydrocarbons obtained by the treatment of Foots oil with activated carbon for the removal of trace constituents and impurities. It consists predominantly of saturated straight chain hydrocarbons having carbon numbers predominantly greater than C12.]	308-126-0	97862-76-5	match not found	match not found
649-212-00-0	Distillates (petroleum), sweetened middle; Gasoil - unspecified; [A complex combination of hydrocarbons obtained by subjecting a petroleum distillate to a sweetening process to convert mercaptans or to remove acidic impurities. It consists of hydrocarbons having carbon numbers predominantly in the range of C9 through C20 and boiling in the range of approximately 150 oC to 345 oC (302 oF to 653 oF).]	265-088-7	64741-86-2	match found	match found
649-213-00-6	Gas oils (petroleum), solvent-refined; Gasoil - unspecified; [A complex combination of hydrocarbons obtained as the raffinate from a solvent extraction process. It consists predominantly of aliphatic hydrocarbons having carbon numbers predominantly in the range of C11 through C25 and boiling in the range of approximately 205 oC to 400 oC (401 oF to 752 oF).]	265-092-9	64741-90-8	match not found	match not found
649-214-00-1	Distillates (petroleum), solvent-refined middle; Gasoil - unspecified; [A complex combination of hydrocarbons obtained as the raffinate from a solvent extraction process. It consists predominantly of aliphatic hydrocarbons having carbon numbers predominantly in the range of C9 through C20 and boiling in the range of approximately 150 oC to 345 oC (302 oF to 653 oF).]	265-093-4	64741-91-9	match not found	match found
649-215-00-7	Gas oils (petroleum), acid-treated; Gasoil - unspecified; [A complex combination of hydrocarbons obtained as a raffinate from a sulfuric acid treating process. It consists of hydrocarbons having carbon numbers predominantly in the range of C13 through C25 and boiling in the range of approximately 230 oC to 400 oC (446 oF to 752 oF).]	265-112-6	64742-12-7	match not found	match found
649-216-00-2	Distillates (petroleum), acid-treated middle; Gasoil - unspecified; [A complex combination of hydrocarbons obtained as a raffinate from a sulfuric acid treating process. It consists of hydrocarbons having carbon numbers predominantly in the range of C11 through C20 and boiling in the range of approximately 205 oC to 345 oC (401 oF to 653 oF).]	265-113-1	64742-13-8	match not found	match found
649-217-00-8	Distillates (petroleum), acid-treated light; Gasoil - unspecified; [A complex combination of hydrocarbons obtained as a raffinate from a sulfuric acid treating process. It consists of hydrocarbons having carbon numbers predominantly in the range of C9 through C16 and boiling in the range of approximately 150 oC to 290 oC (302 oF to 554 oF).]	265-114-7	64742-14-9	match not found	match found
649-218-00-3	Gas oils (petroleum), chemically neutralized; Gasoil - unspecified; [A complex combination of hydrocarbons produced by a treating process to remove acidic materials. It consists of hydrocarbons having carbon numbers predominantly in the range of C13 through C25 and boiling in the range of approximately 230 oC to 400 oC (446 oF to 752 oF).]	265-129-9	64742-29-6	match not found	match found

Index No.	Name	EC No.	CAS No.	Registered	Notified
649-219-00-9	Distillates (petroleum), chemically neutralized middle;Gasoil - unspecified;[A complex combination of hydrocarbons produced by a treating process to remove acidic materials. It consists of hydrocarbons having carbon numbers predominantly in the range of C11 through C20 and boiling in the range of approximately 205 oC to 345 oC (401 oF to 653 oF).]	265-130-4	64742-30-9	match	not found
649-220-00-4	Distillates (petroleum), clay-treated middle;Gasoil - unspecified;[A complex combination of hydrocarbons resulting from treatment of a petroleum fraction with natural or modified clay, usually in a percolation process to remove the trace amounts of polar compounds and impurities present. It consists of hydrocarbons having carbon numbers predominantly in the range of C9 through C20 and boiling in the range of approximately 150 oC to 345 oC (302 oF to 653 oF).]	265-139-3	64742-38-7	match	not found
649-221-00-X	Distillates (petroleum), hydrotreated middle;Gasoil - unspecified;[A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C11 through C25 and boiling in the range of approximately 205 oC to 400 oC (401 oF to 752 oF).]	265-148-2	64742-46-7	match found	match found
649-222-00-5	Gas oils (petroleum), hydrodesulfurized;Gasoil - unspecified;[A complex combination of hydrocarbons obtained from a petroleum stock by treating with hydrogen to convert organic sulfur to hydrogen sulfide which is removed. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C13 through C25 and boiling in the range of approximately 230 oC to 400 oC (446 oF to 752 oF).]	265-182-8	64742-79-6	match found	match found
649-223-00-0	Distillates (petroleum), hydrodesulfurized middle;Gasoil - unspecified;[A complex combination of hydrocarbons obtained from a petroleum stock by treating with hydrogen to convert organic sulfur to hydrogen sulfide which is removed. It consists of hydrocarbons having carbon numbers predominantly in the range of C11 through C25 and boiling in the range of approximately 205 oC to 400 oC (401 oF to 752 oF).]	265-183-3	64742-80-9	match found	match found
649-228-00-8	Distillates (petroleum), catalytic reformer fractionator residue, high-boiling;Gasoil - unspecified;[A complex combination of hydrocarbons from the distillation of catalytic reformer fractionator residue. It boils in the range of approximately 343 oC to 399 oC (650 oF to 750 oF).]	270-719-4	68477-29-2	match	not found
649-229-00-3	Distillates (petroleum), catalytic reformer fractionator residue, intermediate-boiling;Gasoil - unspecified;[A complex combination of hydrocarbons from the distillation of catalytic reformer fractionator residue. It boils in the range of approximately 288 oC to 371 oC (550 oF to 700 oF).]	270-721-5	68477-30-5	match	not found
649-230-00-9	Distillates (petroleum), catalytic reformer fractionator residue, low-boiling;Gasoil - unspecified;[The complex combination of hydrocarbons from the distillation of catalytic reformer fractionator residue. It boils approximately below 288 oC (550 oF).]	270-722-0	68477-31-6	match	not found
649-231-00-4	Distillates (petroleum), highly refined middle;Gasoil - unspecified;[A complex combination of hydrocarbons obtained by the subjecting of a petroleum fraction to several of the following steps: filtration, centrifugation, atmospheric distillation, vacuum distillation, acidification, neutralization and clay treatment. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C10 through	292-615-8	90640-93-0	match	not found
649-232-00-X	Distillates (petroleum) catalytic reformer, heavy arom. conc.;Gasoil - unspecified;[A complex combination of hydrocarbons obtained from the distillation of a catalytically reformed petroleum cut. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C10 through C16 and boiling in the range of approximately 200 oC to 300 oC (392 oF to 572 oF).]	295-294-2	91995-34-5	match	not found
649-233-00-5	Gas oils, paraffinic;Gasoil - unspecified;[A distillate obtained from the redistillation of a complex combination of hydrocarbons obtained by the distillation of the effluents from a severe catalytic hydrotreatment of paraffins. It boils in the range of approximately 190 oC to 330 oC (374 oF to 594 oF).]	300-227-8	93924-33-5	match found	match found
649-234-00-0	Naphtha (petroleum), solvent-refined hydrodesulfurized heavy;Gasoil - unspecified	307-035-3	97488-96-5	match	not found

Index No.	Name	EC No.	CAS No.	Registered	Notified	
649-235-00-6	Hydrocarbons, C16-20, hydrotreated middle distillate, distn. lights;Gasoil - unspecified;[A complex combination of hydrocarbons obtained as first runnings from the vacuum distillation of effluents from the treatment of a middle distillate with hydrogen. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C16 through C20 and boiling in the range of approximately 290 oC to 350 oC (554 oF to 662 oF). It produces a finished oil having a viscosity of 2cSt at 100 oC (212 oF).]	307-659-6	97675-85-9	match	not found	match not found
649-236-00-1	Hydrocarbons, C12-20, hydrotreated paraffinic, distn. lights;Gasoil - unspecified;[A complex combination of hydrocarbons obtained as first runnings from the vacuum distillation of effluents from the treatment of heavy paraffins with hydrogen in the presence of a catalyst. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C12 through C20 and boiling in the range of approximately 230 oC to 350 oC (446 oF to 662 oF). It produces a finished oil having a viscosity of 2cSt at 100 oC (212 oF).]	307-660-1	97675-86-0	match	not found	match not found
649-237-00-7	Hydrocarbons, C11-17, solvent-extd. light naphthenic;Gasoil - unspecified;[A complex combination of hydrocarbons obtained by extraction of the aromatics from a light naphthenic distillate having a viscosity of 2.2 cSt at 40 oC (104 oF). It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C11 through C17 and boiling in the range of approximately 200 oC to 300 oC (392 oF to 572 oF).]	307-757-9	97722-08-2	match	not found	match not found
649-238-00-2	Gas oils, hydrotreated;Gasoil - unspecified;[A complex combination of hydrocarbons obtained from the redistillation of the effluents from the treatment of paraffins with hydrogen in the presence of a catalyst. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C17 through C27 and boiling in the range of approximately 330 oC to 340 oC (626 oF to 644 oF).]	308-128-1	97862-78-7	match	not found	match not found
649-239-00-8	Distillates (petroleum), carbon-treated light paraffinic;Gasoil - unspecified;[A complex combination of hydrocarbons obtained by the treatment of a petroleum oil fraction with activated charcoal for the removal of traces of polar constituents and impurities. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C12 through C28.]	309-667-5	100683-97-4	match	not found	match not found
649-240-00-3	Distillates (petroleum), intermediate paraffinic, carbon-treated;Gasoil - unspecified;[A complex combination of hydrocarbons obtained by the treatment of petroleum with activated charcoal for the removal of trace polar constituents and impurities. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C16 through C28.]	309-668-0	100683-98-5	match	not found	match not found
649-241-00-9	Distillates (petroleum), intermediate paraffinic, clay-treated;Gasoil - unspecified;[A complex combination of hydrocarbons obtained by the treatment of petroleum with bleaching earth for the removal of trace polar constituents and impurities. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C16 through C28.]	309-669-6	100683-99-6	match	not found	match not found
649-242-00-4	Alkanes, C12-26-branched and linear	292-454-3	90622-53-0	match	found	match found
649-243-00-X	Lubricating greases;Grease;[A complex combination of hydrocarbons having carbon numbers predominantly in the range of C12 through C50. May contain organic salts of alkali metals, alkaline earth metals, and/or aluminium compounds.]	278-011-7	74869-21-9	match	not found	match found
649-244-00-5	Slack wax (petroleum);Slack wax;[A complex combination of hydrocarbons obtained from a petroleum fraction by solvent crystallization (solvent dewaxing) or as a distillation fraction from a very waxy crude. It consists predominantly of saturated straight and branched chain hydrocarbons having carbon numbers predominantly greater than C20.]	265-165-5	64742-61-6	match	found	match found
649-245-00-0	Slack wax (petroleum), acid-treated;Slack wax;[A complex combination of hydrocarbons obtained as a raffinate by treatment of a petroleum slack wax fraction with sulfuric acid treating process. It consists predominantly of saturated straight and branched chain hydrocarbons having carbon numbers predominantly greater than C20.]	292-659-8	90669-77-5	match	not found	match found

Index No.	Name	EC No.	CAS No.	Registered	Notified
649-246-00-6	Slack wax (petroleum), clay-treated;Slack wax;[A complex combination of hydrocarbons obtained by treatment of a petroleum slack wax fraction with natural or modified clay in either a contacting or percolation process. It consists predominantly of saturated straight and branched hydrocarbons having carbon numbers predominantly greater than C20.]	292-660-3	90669-78-6	match found	match found
649-247-00-1	Slack wax (petroleum), hydrotreated;Slack wax;[A complex combination of hydrocarbons obtained by treating slack wax with hydrogen in the presence of a catalyst. It consists predominantly of saturated straight and branched chain hydrocarbons having carbon numbers predominantly greater than C20.]	295-523-6	92062-09-4	match found	match found
649-248-00-7	Slack wax (petroleum), low-melting;Slack wax;[A complex combination of hydrocarbons obtained from a petroleum fraction by solvent deparaffination. It consists predominantly of saturated straight and branched chain hydrocarbons having carbon numbers predominantly greater than C12.]	295-524-1	92062-10-7	match not found	match found
649-249-00-2	Slack wax (petroleum), low-melting, hydrotreated;Slack wax;[A complex combination of hydrocarbons obtained by treatment of low-melting petroleum slack wax with hydrogen in the presence of a catalyst. It consists predominantly of saturated straight and branched chain hydrocarbons having carbon numbers predominantly greater than C12.]	295-525-7	92062-11-8	match not found	match not found
649-250-00-8	Slack wax (petroleum), low-melting, carbon-treated;Slack wax;[A complex combination of hydrocarbons obtained by the treatment of low-melting slack wax with activated carbon for the removal of trace polar constituents and impurities. It consists predominantly of saturated straight and branched chain hydrocarbons having carbon numbers predominantly greater than C12.]	308-155-9	97863-04-2	match not found	match found
649-251-00-3	Slack wax (petroleum), low-melting, clay-treated;Slack wax;[A complex combination of hydrocarbons obtained by the treatment of low-melting petroleum slack wax with bentonite for removal of trace polar constituents and impurities. It consists predominantly of saturated straight and branched chain hydrocarbons having carbon numbers predominantly greater than C12.]	308-156-4	97863-05-3	match not found	match found
649-252-00-9	Slack wax (petroleum), low-melting, silicic acid-treated;Slack wax;[A complex combination of hydrocarbons obtained by the treatment of low-melting petroleum slack wax with silicic acid for the removal of trace polar constituents and impurities. It consists predominantly of saturated straight and branched chain hydrocarbons having carbon numbers predominantly greater than C12.]	308-158-5	97863-06-4	match not found	match not found
649-253-00-4	Slack wax (petroleum), carbon-treated;Slack wax;[A complex combination of hydrocarbons obtained by treatment of petroleum slack wax with activated charcoal for the removal of trace polar constituents and impurities.]	309-723-9	100684-49-9	match not found	match found
649-254-00-X	Petrolatum;Petrolatum;[A complex combination of hydrocarbons obtained as a semi-solid from dewaxing paraffinic residual oil. It consists predominantly of saturated crystalline and liquid hydrocarbons having carbon numbers predominantly greater than C25.]	232-373-2	8009-03-8	match found	match found
649-255-00-5	Petrolatum (petroleum), oxidized;Petrolatum;[A complex combination of organic compounds, predominantly high molecular weight carboxylic acids, obtained by the air oxidation of petrolatum.]	265-206-7	64743-01-7	match found	match found
649-256-00-0	Petrolatum (petroleum), alumina-treated;Petrolatum;[A complex combination of hydrocarbons obtained when petrolatum is treated with Al ₂ O ₃ to remove polar components and impurities. It consists predominantly of saturated, crystalline, and liquid hydrocarbons having carbon numbers predominantly greater than C25.]	285-098-5	85029-74-9	match not found	match not found
649-257-00-6	Petrolatum (petroleum), hydrotreated;Petrolatum;[A complex combination of hydrocarbons obtained as a semi-solid from dewaxed paraffinic residual oil treated with hydrogen in the presence of a catalyst. It consists predominantly of saturated microcrystalline and liquid hydrocarbons having carbon numbers predominantly greater than C20.]	295-459-9	92045-77-7	match found	match found

Index No.	Name	EC No.	CAS No.	Registered	Notified
649-258-00-1	Petrolatum (petroleum), carbon-treated;Petrolatum;[A complex combination of hydrocarbons obtained by the treatment of petroleum petrolatum with activated carbon for the removal of trace polar constituents and impurities. It consists predominantly of saturated hydrocarbons having carbon numbers predominantly greater than C20.]	308-149-6	97862-97-0	match not found	match not found
649-259-00-7	Petrolatum (petroleum), silicic acid-treated;Petrolatum;[A complex combination of hydrocarbons obtained by the treatment of petroleum petrolatum with silicic acid for the removal of trace polar constituents and impurities. It consists predominantly of saturated hydrocarbons having carbon numbers predominantly greater than C20.]	308-150-1	97862-98-1	match not found	match not found
649-260-00-2	Petrolatum (petroleum), clay-treated;Petrolatum;[A complex combination of hydrocarbons obtained by treatment of petrolatum with bleaching earth for the removal of traces of polar constituents and impurities. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of greater than C25.]	309-706-6	100684-33-1	match found	match found
649-261-00-8	Gasoline, natural;Low boiling point naphtha;[A complex combination of hydrocarbons separated from natural gas by processes such as refrigeration or absorption. It consists predominantly of saturated aliphatic hydrocarbons having carbon numbers predominantly in the range of C4 through C8 and boiling in the range of approximately minus 20°C to 120°C (-4°F to 248°F).]	232-349-1	8006-61-9	match found	match found
649-262-00-3	Naphtha;Low boiling point naphtha;[Refined, partly refined, or unrefined petroleum products produced by the distillation of natural gas. It consists of hydrocarbons having carbon numbers predominantly in the range of C5 through C6 and boiling in the range of approximately 100°C to 200°C (212°F to 392°F).]	232-443-2	8030-30-6	match found	match found
649-263-00-9	Ligroine;Low boiling point naphtha;[A complex combination of hydrocarbons obtained by the fractional distillation of petroleum. This fraction boils in a range of approximately 20°C to 135°C (58°F to 275°F).]	232-453-7	8032-32-4	match found	match found
649-264-00-4	Naphtha (petroleum), heavy straight-run;Low boiling point naphtha;[A complex combination of hydrocarbons produced by distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C6 through C12 and boiling in the range of approximately 65°C to 230°C (149°F to 446°F).]	265-041-0	64741-41-9	match found	match found
649-265-00-X	Naphtha (petroleum), full-range straight-run;Low boiling point naphtha;[A complex combination of hydrocarbons produced by distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C4 through C11 and boiling in the range of approximately -20°C to 220°C (-4°F to 428°F).]	265-042-6	64741-42-0	match found	match found
649-266-00-5	Naphtha (petroleum), light straight-run;Low boiling point naphtha;[A complex combination of hydrocarbons produced by distillation of crude oil. It consists predominantly of aliphatic hydrocarbons having carbon numbers predominantly in the range of C4 through C10 and boiling in the range of approximately -20°C to 180°C (-4°F to 356°F).]	265-046-8	64741-46-4	match found	match found
649-267-00-0	Solvent naphtha (petroleum), light aliph.;Low boiling point naphtha;[A complex combination of hydrocarbons obtained from the distillation of crude oil or natural gasoline. It consists predominantly of saturated hydrocarbons having carbon numbers predominantly in the range of C5 through C10 and boiling in the range of approximately 35°C to 160°C (95°F to 320°F).]	265-192-2	64742-89-8	match found	match found
649-268-00-6	Distillates (petroleum), straight-run light;Low boiling point naphtha;[A complex combination of hydrocarbons produced by the distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C2 through C7 and boiling in the range of approximately -88°C to 99°C (-127°F to 210°F).]	270-077-5	68410-05-9	match found	match found
649-269-00-1	Gasoline, vapor-recovery;Low boiling point naphtha;[A complex combination of hydrocarbons separated from the gases from vapor recovery systems by cooling. It consists of hydrocarbons having carbon numbers predominantly in the range of C4 through C11 and boiling in the range of approximately -20°C to 196°C(-4°F to 384°F).]	271-025-4	68514-15-8	match not found	match found
649-270-00-7	Gasoline, straight-run, topping-plant;Low boiling point naphtha;[A complex combination of hydrocarbons produced from the topping plant by the distillation of crude oil. It boils in the range of approximately 36.1°C to 193.3°C (97°F to 380°F).]	271-727-0	68606-11-1	match found	match found

Index No.	Name	EC No.	CAS No.	Registered	Notified
649-271-00-2	Naphtha (petroleum), unsweetened;Low boiling point naphtha;[A complex combination of hydrocarbons produced from the distillation of naphtha streams from various refinery processes. It consists of hydrocarbons having carbon numbers predominantly in the range of C5 through C12 and boiling in the range of approximately 0°C to 230°C (25°F to 446°F).]	272-186-3	68783-12-0	match found	match found
649-272-00-8	Distillates (petroleum), light straight-run gasoline fractionation stabilizer overheads;Low boiling point naphtha;[A complex combination of hydrocarbons obtained by the fractionation of light straight-run gasoline. It consists of saturated aliphatic hydrocarbons having carbon numbers predominantly in the range of C3 through C6.]	272-931-2	68921-08-4	match found	match found
649-273-00-3	Naphtha (petroleum), heavy straight run, arom.-contg.;Low boiling point naphtha;[A complex combination of hydrocarbons obtained from a distillation process of crude petroleum. It consists predominantly of hydrocarbons having carbon numbers in the range of C8 through C12 and boiling in the range of approximately 130°C to 210°C (266°F to 410°F).]	309-945-6	101631-20-3	match not found	match not found
649-274-00-9	Naphtha (petroleum), full-range alkylate;Low boiling point modified naphtha;[A complex combination of hydrocarbons produced by distillation of the reaction products of isobutane with monoolefinic hydrocarbons usually ranging in carbon numbers from C3 through C5 It consists of predominantly branched chain saturated hydrocarbons having carbon numbers predominantly in the range of C7 through C12 and boiling in the range of approximately 90°C to 220°C (194°F to 428°F).]	265-066-7	64741-64-6	match found	match found
649-275-00-4	Naphtha (petroleum), heavy alkylate;Low boiling point modified naphtha;[A complex combination of hydrocarbons produced by distillation of the reaction products of isobutane with monoolefinic hydrocarbons usually ranging in carbon numbers from C3 to C5. It consists of predominantly branched chain saturated hydrocarbons having carbon numbers predominantly in the range of C9 through C12 and boiling in the range of approximately 150°C to 220°C (302°F to 428°F).]	265-067-2	64741-65-7	match not found	match found
649-276-00-X	Naphtha (petroleum), light alkylate;Low boiling point modified naphtha;[A complex combination of hydrocarbons produced by distillation of the reaction products of isobutane with monoolefinic hydrocarbons usually ranging in carbon numbers from C3 through C5. It consists of predominantly branched chain saturated hydrocarbons having carbon numbers predominantly in the range of C7 through C10 and boiling in the range of approximately 90°C to 160°C (194°F to 320°F).]	265-068-8	64741-66-8	match found	match found
649-277-00-5	Naphtha (petroleum), isomerization;Low boiling point modified naphtha;[A complex combination of hydrocarbons obtained from catalytic isomerization of straight chain paraffinic C4 through C6 hydrocarbons. It consists predominantly of saturated hydrocarbons such as isobutane, isopentane, 2,2-dimethylbutane, 2-methylpentane, and 3-methylpentane.]	265-073-5	64741-70-4	match found	match found
649-278-00-0	Naphtha (petroleum), solvent-refined light;Low boiling point modified naphtha;[A complex combination of hydrocarbons obtained as the raffinate from a solvent extraction process. It consists predominantly of aliphatic hydrocarbons having carbon numbers predominantly in the range of C5 through C11 and boiling in the range of approximately 35°C to 190°C (95°F to 374°F).]	265-086-6	64741-84-0	match found	match found
649-279-00-6	Naphtha (petroleum), solvent-refined heavy;Low boiling point modified naphtha;[A complex combination of hydrocarbons obtained as the raffinate from a solvent extraction process. It consists predominantly of aliphatic hydrocarbons having carbon numbers predominantly in the range of C7 through C12 and boiling in the range of approximately 90°C to 230°C (194°F to 446°F).]	265-095-5	64741-92-0	match not found	match found
649-280-00-1	Raffinates (petroleum), catalytic reformer ethylene glycol-water countercurrent exts.;Low boiling point modified naphtha;[A complex combination of hydrocarbons obtained as the raffinate from the UDEX extraction process on the catalytic reformer stream. It consists of saturated hydrocarbons having carbon numbers predominantly in the range of C6 through C9.]	270-088-5	68410-71-9	match found	match found

Index No.	Name	EC No.	CAS No.	Registered	Notified
649-281-00-7	Raffinates (petroleum), reformer, Lurgi unit-sepd.;Low boiling point modified naphtha;[The complex combination of hydrocarbons obtained as a raffinate from a Lurgi separation unit. It consists predominantly of non-aromatic hydrocarbons with various small amounts of aromatic hydrocarbons having carbon numbers predominantly in the range of C6 through C8.]	270-349-3	68425-35-4	match	not found
649-282-00-2	Naphtha (petroleum), full-range alkylate, butane-contg.;Low boiling point modified naphtha;[A complex combination of hydrocarbons produced by the distillation of the reaction products of isobutane with monoolefinic hydrocarbons usually ranging in carbon numbers from C3 through C5. It consists of predominantly branched chain saturated hydrocarbons having carbon numbers predominantly in the range of C7 through C12 with some butanes and boiling in the range of approximately 35°C to 200°C (95°F to 428°F).]	271-267-0	68527-27-5	match found	match found
649-283-00-8	Distillates (petroleum), naphtha steam cracking-derived, solvent-refined light hydrotreated;Low boiling point modified naphtha;[A complex combination of hydrocarbons obtained as the raffinates from a solvent extraction process of hydrotreated light distillate from steam-cracked naphtha.]	295-315-5	91995-53-8	match	not found
649-284-00-3	Naphtha (petroleum), C4-12, butane-alkylate, isooctane-rich;Low boiling point modified naphtha;[A complex combination of hydrocarbons obtained by alkylation of butanes. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C4 through C12, rich in isooctane, and boiling in the range of approximately 35°C to 210°C (95°F to 428°F).]	295-430-0	92045-49-3	match	not found
649-285-00-9	Hydrocarbons, hydrotreated light naphtha distillates, solvent-refined;Low boiling point modified naphtha;[A combination of hydrocarbons obtained from the distillation of hydrotreated naphtha followed by a solvent extraction and distillation process. It consists predominantly of saturated hydrocarbons boiling in the range of approximately 94°C to 99°C (201°F to 210°F).]	295-436-3	92045-55-1	match	not found
649-286-00-4	Naphtha (petroleum), isomerization, C6-fraction;Low boiling point modified naphtha;[A complex combination of hydrocarbons obtained by distillation of a gasoline which has been catalytically isomerized. It consists predominantly of hexane isomers boiling in the range of approximately 60°C to 66°C (140°F to 151°F).]	295-440-5	92045-58-4	match found	match found
649-287-00-X	Hydrocarbons, C6-7, naphtha-cracking, solvent-refined;Low boiling point modified naphtha;[A complex combination of hydrocarbons obtained by the sorption of benzene from a catalytically fully hydrogenated benzene-rich hydrocarbon cut that was distillatively obtained from prehydrogenated cracked naphtha. It consists predominantly of paraffinic and naphthenic hydrocarbons having carbon numbers predominantly in the range of C6 through C7 and boiling in the range of approximately 70°C to 100°C (158°F to 212°F).]	295-446-8	92045-64-2	match found	match found
649-288-00-5	Hydrocarbons, C6-rich, hydrotreated light naphtha distillates, solvent-refined;Low boiling point modified naphtha;[A complex combination of hydrocarbons obtained by distillation of hydrotreated naphtha followed by solvent extraction. It consists predominantly of saturated hydrocarbons and boiling in the range of approximately 65°C to 70°C (149°F to 158°F).]	309-871-4	101316-67-0	match found	match found
649-289-00-0	Naphtha (petroleum), heavy catalytic cracked;Low boiling point cat-cracked naphtha;[A complex combination of hydrocarbons produced by a distillation of products from a catalytic cracking process. It consists of hydrocarbons having carbon numbers predominantly in the range of C6 through C12 and boiling in the range of approximately 65°C to 230°C (148°F to 446°F). It contains a relatively large proportion of unsaturated hydrocarbons.]	265-055-7	64741-54-4	match found	match found
649-290-00-6	Naphtha (petroleum), light catalytic cracked;Low boiling point cat-cracked naphtha;[A complex combination of hydrocarbons produced by the distillation of products from a catalytic cracking process. It consists of hydrocarbons having carbon numbers predominantly in the range of C4 through C11 and boiling in the range of approximately -20°C to 190°C (-4°F to 374°F). It contains a relatively large proportion of unsaturated hydrocarbons.]	265-056-2	64741-55-5	match found	match found

Index No.	Name	EC No.	CAS No.	Registered	Notified
649-291-00-1	Hydrocarbons, C3-11, catalytic cracker distillates;Low boiling point cat-cracked naphtha;[A complex combination of hydrocarbons produced by the distillations of products from a catalytic cracking process. It consists of hydrocarbons having carbon numbers predominantly in the range of C3 through C11 and boiling in a range approximately up to 204°C (400°F).]	270-686-6	68476-46-0	match found	match found
649-292-00-7	Naphtha (petroleum), catalytic cracked light distd.;Low boiling point cat-cracked naphtha;[A complex combination of hydrocarbons produced by the distillation of products from a catalytic cracking process. It consists of hydrocarbons having carbon numbers predominantly in the range of C1 through C5.]	272-185-8	68783-09-5	match not found	match not found
649-293-00-2	Distillates (petroleum), naphtha steam cracking-derived, hydrotreated light arom.;Low boiling point cat-cracked naphtha.;[A complex combination of hydrocarbons obtained by treating a light distillate from steam-cracked naphtha. It consists predominantly of aromatic hydrocarbons.]	295-311-3	91995-50-5	match found	match found
649-294-00-8	Naphtha (petroleum), heavy catalytic cracked, sweetened;Low boiling point cat-cracked naphtha;[A complex combination of hydrocarbons obtained by subjecting a catalytic cracked petroleum distillate to a sweetening process to convert mercaptans or to remove acidic impurities. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C6 through C12 and boiling in the range of approximately 60°C to 200°C (140°F to 392°F).]	295-431-6	92045-50-6	match found	match found
649-295-00-3	Naphtha (petroleum), light catalytic cracked sweetened;Low boiling point cat-cracked naphtha;[A complex combination of hydrocarbons obtained by subjecting naphtha from a catalytic cracking process to a sweetening process to convert mercaptans or to remove acidic impurities. It consists predominantly of hydrocarbons boiling in a range of approximately 35°C to 210°C (95°F to 410°F).]	295-441-0	92045-59-5	match found	match found
649-296-00-9	Hydrocarbons, C8-12, catalytic-cracking, chem. neutralized;Low boiling point cat-cracked naphtha;[A complex combination of hydrocarbons produced by the distillation of a cut from the catalytic cracking process, having undergone an alkaline washing. It consists predominantly of hydrocarbons having carbon numbers in the range of C8 through C12 and boiling in the range of approximately 130°C to 210°C (266°F to 410°F).]	295-794-0	92128-94-4	match not found	match not found
649-297-00-4	Hydrocarbons, C8-12, catalytic cracker distillates;Low boiling point cat-cracked naphtha;[A complex combination of hydrocarbons obtained by distillation of products from a catalytic cracking process. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C8 through C12 and boiling in the range of approximately 140°C to 210°C (284°F to 410°F).]	309-974-4	101794-97-2	match not found	match found
649-298-00-X	Hydrocarbons, C8-12, catalytic cracking, chem. neutralized, sweetened;Low boiling point cat-cracked naphtha	309-987-5	101896-28-0	match not found	match not found
649-299-00-5	Naphtha (petroleum), light catalytic reformed;Low boiling point cat-reformed naphtha;[A complex combination of hydrocarbons produced from the distillation of products from a catalytic reforming process. It consists of hydrocarbons having carbon numbers predominantly in the range of C5 through C11 and boiling in the range of approximately 35°C to 190°C (95°F to 374°F). It contains a relatively large proportion of aromatic and branched chain hydrocarbons. This stream may contain 10 vol. % or more benzene.]	265-065-1	64741-63-5	match found	match found
649-300-00-9	Naphtha (petroleum), heavy catalytic reformed;Low boiling point cat-reformed naphtha;[A complex combination of hydrocarbons produced from the distillation of products from a catalytic reforming process. It consists of predominantly aromatic hydrocarbons having carbon numbers predominantly in the range of C7 through C12 and boiling in the range of approximately 90°C to 230°C (194°F to 446°F).]	265-070-9	64741-68-0	match found	match found
649-301-00-4	Distillates (petroleum), catalytic reformed depentanizer;Low boiling point cat-reformed naphtha;[A complex combination of hydrocarbons from the distillation of products from a catalytic reforming process. It consists predominantly of aliphatic hydrocarbons having carbon numbers predominantly in the range of C3 through C6 and boiling in the range of approximately -49°C to 63°C (-57°F to 145°F).]	270-660-4	68475-79-6	match found	match found

Index No.	Name	EC No.	CAS No.	Registered	Notified
649-302-00-X	Hydrocarbons, C2-6, C6-8 catalytic reformer;Low boiling point cat-reformed naphtha	270-687-1	68476-47-1	match	not found
649-303-00-5	Residues (petroleum), C6-8 catalytic reformer;Low boiling point cat-reformed naphtha;[A complex residuum from the catalytic reforming of C6-8 feed. It consists of hydrocarbons having carbon numbers predominantly in the range of C2 through C6.]	270-794-3	68478-15-9	match	not found
649-304-00-0	Naphtha (petroleum), light catalytic reformed, arom.-free;Low boiling point cat-reformed naphtha;[A complex combination of hydrocarbons obtained from distillation of products from a catalytic reforming process. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C5 through C8 and boiling in the range of approximately 35°C to 120°C (95°F to 248°F). It contains a relatively large proportion of branched chain hydrocarbons with the aromatic components removed.]	270-993-5	68513-03-1	match	found
649-305-00-6	Distillates (petroleum), catalytic reformed straight-run naphtha overheads;Low boiling point cat-reformed naphtha;[A complex combination of hydrocarbons obtained by the catalytic reforming of straight-run naphtha followed by the fractionation of the total effluent. It consists of saturated aliphatic hydrocarbons having carbon numbers predominantly in the range of C2 through C6.]	271-008-1	68513-63-3	match	not found
649-306-00-1	Petroleum products, hydrofiner-powerformer reformates;Low boiling point cat-reformed naphtha;[The complex combination of hydrocarbons obtained in a hydrofiner-powerformer process and boiling in a range of approximately 27°C to 210°C (80°F to 410°F).]	271-058-4	68514-79-4	match	found
649-307-00-7	Naphtha (petroleum), full-range reformed;Low boiling point cat-reformed naphtha;[A complex combination of hydrocarbons produced by the distillation of the products from a catalytic reforming process. It consists of hydrocarbons having carbon numbers predominantly in the range of C5 through C12 and boiling in the range of approximately 35°C to 230°C (95°F to 430°F).]	272-895-8	68919-37-9	match	found
649-308-00-2	Naphtha (petroleum), catalytic reformed;Low boiling point cat-reformed naphtha;[A complex combination of hydrocarbons produced by the distillation of products from a catalytic reforming process. It consists of hydrocarbons having carbon numbers predominantly in the range of C4 through C12 and boiling in the range of approximately 30°C to 220°C (90°F to 430°F). It contains a relatively large proportion of aromatic and branched chain hydrocarbons. This stream may contain 10 vol. % or more benzene.]	273-271-8	68955-35-1	match	found
649-309-00-8	Distillates (petroleum), catalytic reformed hydrotreated light, C8-12 arom. fraction;Low boiling point cat-reformed naphtha;[A complex combination of alkylbenzenes obtained by the catalytic reforming of petroleum naphtha. It consists predominantly of alkylbenzenes having carbon numbers predominantly in the range of C8 through C10 and boiling in the range of approximately 160°C to 180°C (320°F to 356°F).]	285-509-8	85116-58-1	match	found
649-310-00-3	Aromatic hydrocarbons, C8, catalytic reforming-derived;Low boiling point cat-reformed naphtha	295-279-0	91995-18-5	match	found
649-311-00-9	Aromatic hydrocarbons, C7-12, C8-rich;Low boiling point cat-reformed naphtha;[A complex combination of hydrocarbons obtained by separation from the platformate-containing fraction. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C7 through C12 (primarily C8) and can contain nonaromatic hydrocarbons, both boiling in the range of approximately 130°C to 200°C (266°F to 392°F).]	297-401-8	93571-75-6	match	found
649-312-00-4	Gasoline, C5-11, high-octane stabilised reformed;Low boiling point cat-reformed naphtha;[A complex high octane combination of hydrocarbons obtained by the catalytic dehydrogenation of a predominantly naphthenic naphtha. It consists predominantly of aromatics and non-aromatics having carbon numbers predominantly in the range of C5 through C11 and boiling in the range of approximately 45°C to 185°C (113°F to 365°F).]	297-458-9	93572-29-3	match	found

Index No.	Name	EC No.	CAS No.	Registered	Notified
649-313-00-X	Hydrocarbons, C7-12, C≥9-arom.-rich, reforming heavy fraction;Low boiling point cat-reformed naphtha;[A complex combination of hydrocarbons obtained by separation from the platformate-containing fraction. It consists predominantly of nonaromatic hydrocarbons having carbon numbers predominantly in the range of C7 through C12 and boiling in the range of approximately 120°C to 210°C (248°F to 380°F) and C9 and higher aromatic hydrocarbons.]	297-465-7	93572-35-1	match found	match found
649-314-00-5	Hydrocarbons, C5-11, nonaroms.-rich, reforming light fraction;Low boiling point cat-reformed naphtha;[A complex combination of hydrocarbons obtained by separation from the platformate-containing fraction. It consists predominantly of nonaromatic hydrocarbons having carbon numbers predominantly in the range of C5 through C11 and boiling in the range of approximately 35°C to 125°C (94°F to 257°F), benzene and toluene.]	297-466-2	93572-36-2	match found	match found
649-315-00-0	Foots oil (petroleum), silicic acid-treated;Foots oil;[A complex combination of hydrocarbons obtained by the treatment of Foots oil with silicic acid for removal of trace constituents and impurities. It consists predominantly of straight chain hydrocarbons having carbon numbers predominantly greater than C12.]	308-127-6	97862-77-6	match not found	match not found
649-316-00-6	Naphtha (petroleum), light thermal cracked;Low boiling point thermally cracked naphtha;[A complex combination of hydrocarbons from distillation of products from a thermal cracking process. It consists predominantly of unsaturated hydrocarbons having carbon numbers predominantly in the range of C4 through C8 and boiling in the range of approximately -10 °C to 130 °C (14 °F to 266 °F).]	265-075-6	64741-74-8	match found	match found
649-317-00-1	Naphtha (petroleum), heavy thermal cracked;Low boiling point thermally cracked naphtha;[A complex combination of hydrocarbons from distillation of the products from a thermal cracking process. It consists predominantly of unsaturated hydrocarbons having carbon numbers predominantly in the range of C6 through C12 and boiling in the range of approximately 65°C to 220°C (148°F to 428°F).]	265-085-0	64741-83-9	match found	match found
649-318-00-7	Distillates (petroleum), heavy arom.;Low boiling point thermally cracked naphtha;[The complex combination of hydrocarbons from the distillation of the products from the thermal cracking of ethane and propane. This higher boiling fraction consists predominantly of C5-7 aromatic hydrocarbons with some unsaturated aliphatic hydrocarbons having carbon number predominantly of C5. This stream may contain benzene.]	267-563-4	67891-79-6	match not found	match found
649-319-00-2	Distillates (petroleum), light arom.;Low boiling point thermally cracked naphtha;[The complex combination of hydrocarbons from the distillation of the products from the thermal cracking of ethane and propane. This lower boiling fraction consists predominantly of C5-7 aromatic hydrocarbons with some unsaturated aliphatic hydrocarbons having a carbon number predominantly of C5. This stream may contain benzene.]	267-565-5	67891-80-9	match not found	match found
649-320-00-8	Distillates (petroleum), naphtha-raffinate pyrolyzate-derived, gasoline-blending;Low boiling point thermally cracked naphtha;[The complex combination of hydrocarbons obtained by the pyrolysis fractionation at 816°C (1500°F) of naphtha and raffinate. It consists predominantly of hydrocarbons having a carbon number of C9 and boiling at approximately 204°C (399°F).]	270-344-6	68425-29-6	match not found	match not found
649-321-00-3	Aromatic hydrocarbons, C6-8, naphtha-raffinate pyrolyzate-derived;Low boiling point thermally cracked naphtha;[A complex combination of hydrocarbons obtained by the fractionation pyrolysis at 816°C (1500°F) of naphtha and raffinate. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C6 through C8, including benzene.]	270-658-3	68475-70-7	match found	match found
649-322-00-9	Distillates (petroleum), thermal cracked naphtha and gas oil;Low boiling point thermally cracked naphtha;[A complex combination of hydrocarbons produced by distillation of thermally cracked naphtha and/or gas oil. It consists predominantly of olefinic hydrocarbons having a carbon number of C5 and boiling in the range of approximately 33°C to 60°C (91°F to 140°F).]	271-631-9	68603-00-9	match not found	match not found

Index No.	Name	EC No.	CAS No.	Registered	Notified
649-323-00-4	Distillates (petroleum), thermal cracked naphtha and gas oil, C5-dimer-contg.;Low boiling point thermally cracked naphtha;[A complex combination of hydrocarbons produced by the extractive distillation of thermal cracked naphtha and/or gas oil. It consists predominantly of hydrocarbons having a carbon number of C5 with some dimerized C5 olefins and boiling in the range of approximately 33°C to 184°C (91°F to 363°F).]	271-632-4	68603-01-0	match	not found
649-324-00-X	Distillates (petroleum), thermal cracked naphtha and gas oil, extractive;Low boiling point thermally cracked naphtha;[A complex combination of hydrocarbons produced by the extractive distillation of thermal cracked naphtha and/or gas oil. It consists of paraffinic and olefinic hydrocarbons, predominantly isoamylenes such as 2-methyl-1-butene and 2-methyl-2-butene and boiling in the range of approximately 31°C to 40°C (88°F to 104°F).]	271-634-5	68603-03-2	match	not found
649-325-00-5	Distillates (petroleum), light thermal cracked, debutanized arom.;Low boiling point thermally cracked naphtha;[A complex combination of hydrocarbons produced by the distillation of products from a thermal cracking process. It consists predominantly of aromatic hydrocarbons, primarily benzene.]	273-266-0	68955-29-3	match found	match found
649-326-00-0	Naphtha (petroleum), light thermal cracked, sweetened;Low boiling point thermally cracked naphtha;[A complex combination of hydrocarbons obtained by subjecting a petroleum distillate from the high temperature thermal cracking of heavy oil fractions to a sweetening process to convert mercaptans. It consists predominantly of aromatics, olefins and saturated hydrocarbons boiling in the range of approximately 20°C to 100°C (68°F to 212°F).]	295-447-3	92045-65-3	match	not found
649-327-00-6	Naphtha (petroleum), hydrotreated heavy;Low boiling point hydrogen treated naphtha;[A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C6 through C13 and boiling in the range of approximately 65°C to 230°C (149°F to 446°F).]	265-150-3	64742-48-9	match found	match found
649-328-00-1	Naphtha (petroleum), hydrotreated light;Low boiling point hydrogen treated naphtha;[A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C4 through C11 and boiling in the range of approximately minus 20°C to 190°C (-4°F to 374°F).]	265-151-9	64742-49-0	match found	match found
649-329-00-7	Naphtha (petroleum), hydrodesulfurized light;Low boiling point hydrogen treated naphtha;[A complex combination of hydrocarbons obtained from a catalytic hydrodesulfurization process. It consists of hydrocarbons having carbon numbers predominantly in the range of C4 through C11 and boiling in the range of approximately -20°C to 190°C (-4°F to 374°F).]	265-178-6	64742-73-0	match found	match found
649-330-00-2	Naphtha (petroleum), hydrodesulfurized heavy;Low boiling point hydrogen treated naphtha;[A complex combination of hydrocarbons obtained from a catalytic hydrodesulfurization process. It consists of hydrocarbons having carbon numbers predominantly in the range of C7 through C12 and boiling in the range of approximately 90°C to 230°C (194°F to 446°F).]	265-185-4	64742-82-1	match found	match found
649-331-00-8	Distillates (petroleum), hydrotreated middle, intermediate boiling;Low boiling point hydrogen treated naphtha;[A complex combination of hydrocarbons obtained by the distillation of products from a middle distillate hydrotreating process. It consists of hydrocarbons having carbon numbers predominantly in the range of C5 through C10 and boiling in the range of approximately 127°C to 188°C (262°F to 370°F).]	270-092-7	68410-96-8	match found	match found
649-332-00-3	Distillates (petroleum), light distillate hydrotreating process, low-boiling;Low boiling point hydrogen treated naphtha;[A complex combination of hydrocarbons obtained by the distillation of products from the light distillate hydrotreating process. It consists of hydrocarbons having carbon numbers predominantly in the range of C6 through C9 and boiling in the range of approximately 3°C to 194°C (37°F to 382°F).]	270-093-2	68410-97-9	match found	match found

Index No.	Name	EC No.	CAS No.	Registered	Notified
649-333-00-9	Distillates (petroleum), hydrotreated heavy naphtha, deisohexanizer overheads;Low boiling point hydrogen treated naphtha;[A complex combination of hydrocarbons obtained by distillation of the products from a heavy naphtha hydrotreating process. It consists of hydrocarbons having carbon numbers predominantly in the range of C3 through C6 and boiling in the range of approximately -49°C to 68°C (-57°F to 155°F).]	270-094-8	68410-98-0	match	not found
649-334-00-4	Solvent naphtha (petroleum), light arom., hydrotreated;Low boiling point hydrogen treated naphtha;[A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C8 through C10 and boiling in the range of approximately 135°C to 210°C (275°F to 410°F).]	270-988-8	68512-78-7	match	not found
649-335-00-X	Naphtha (petroleum), hydrodesulfurized thermal cracked light;Low boiling point hydrogen treated naphtha;[A complex combination of hydrocarbons obtained by fractionation of hydrodesulfurized thermal cracker distillate. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C5 to C11 and boiling in the range of approximately 23°C to 195°C (73°F to 383°F).]	285-511-9	85116-60-5	match	not found
649-336-00-5	Naphtha (petroleum), hydrotreated light, cycloalkane-contg.;Low boiling point hydrogen treated naphtha;[A complex combination of hydrocarbons obtained from the distillation of a petroleum fraction. It consists predominantly of alkanes and cycloalkanes boiling in the range of approximately -20°C to 100°C (-4°F to 212°F).]	285-512-4	85116-61-6	match	not found
649-337-00-0	Naphtha (petroleum), heavy steam-cracked, hydrogenated;Low boiling point hydrogen treated naphtha	295-432-1	92045-51-7	match	not found
649-338-00-6	Naphtha (petroleum), hydrodesulfurized full-range;Low boiling point hydrogen treated naphtha;[A complex combination of hydrocarbons obtained from a catalytic hydrodesulfurization process. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C4 through C11 and boiling in the range of approximately 30°C to 250°C (86°F to 482°F).]	295-433-7	92045-52-8	match	found
649-339-00-1	Naphtha (petroleum), hydrotreated light steam-cracked;Low boiling point hydrogen treated naphtha;[A complex combination of hydrocarbons obtained by treating a petroleum fraction, derived from a pyrolysis process, with hydrogen in the presence of a catalyst. It consists predominantly of unsaturated hydrocarbons having carbon numbers predominantly in the range of C5 through C11 and boiling in the range of approximately 35°C to 190°C (95°F to 374°F).]	295-438-4	92045-57-3	match	found
649-340-00-7	Hydrocarbons, C4-12, naphtha-cracking, hydrotreated;Low boiling point hydrogen treated naphtha;[A complex combination of hydrocarbons obtained by distillation from the product of a naphtha steam cracking process and subsequent catalytic selective hydrogenation of gum formers. It consists of hydrocarbons having carbon numbers predominantly in the range of C4 through C12 and boiling in the range of approximately 30°C to 230°C (86°F to 446°F).]	295-443-1	92045-61-9	match	found
649-341-00-2	Solvent naphtha (petroleum), hydrotreated light naphthenic;Low boiling point hydrogen treated naphtha;[A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists predominantly of cycloparaffinic hydrocarbons having carbon numbers predominantly in the range of C6 through C7 and boiling in the range of approximately 73°C to 85°C (163°F to 185°F).]	295-529-9	92062-15-2	match	not found
649-342-00-8	Naphtha (petroleum), light steam-cracked, hydrogenated;Low boiling point hydrogen treated naphtha;[A complex combination of hydrocarbons produced from the separation and subsequent hydrogenation of the products of a steam-cracking process to produce ethylene. It consists predominantly of saturated and unsaturated paraffins, cyclic paraffins and cyclic aromatic hydrocarbons having carbon numbers predominantly in the range of C4 through C10 and boiling in the range of approximately 50°C to 200°C (122°F to 392°F). The proportion of benzene hydrocarbons may vary up to 30 wt. % and the stream may also contain small amounts of sulfur and oxygenated compounds.]	296-942-7	93165-55-0	match	found

Index No.	Name	EC No.	CAS No.	Registered	Notified
649-343-00-3	Hydrocarbons, C6-11, hydrotreated, dearomatized;Low boiling point hydrogen treated naphtha;[A complex combination of hydrocarbons obtained as solvents which have been subjected to hydrotreatment in order to convert aromatics to naphthenes by catalytic hydrogenation.]	297-852-0	93763-33-8	match found	match found
649-344-00-9	Hydrocarbons, C9-12, hydrotreated, dearomatized;Low boiling point hydrogen treated naphtha;[A complex combination of hydrocarbons obtained as solvents which have been subjected to hydrotreatment in order to convert aromatics to naphthenes by catalytic hydrogenation.]	297-853-6	93763-34-9	match not found	match not found
649-345-00-4	Stoddard solvent;Low boiling point naphtha - unspecified;[A colorless, refined petroleum distillate that is free from rancid or objectionable odors and that boils in a range of approximately 148.8°C to 204.4°C. (300°F to 400°F).]	232-489-3	8052-41-3	match not found	match found
649-346-00-X	Natural gas condensates (petroleum);Low boiling point naphtha - unspecified;[A complex combination of hydrocarbons separated as a liquid from natural gas in a surface separator by retrograde condensation. It consists mainly of hydrocarbons having carbon numbers predominantly in the range of C2 to C20. It is a liquid at atmospheric temperature and pressure.]	265-047-3	64741-47-5	match found	match found
649-347-00-5	Natural gas (petroleum), raw liq. mix;Low boiling point naphtha - unspecified;[A complex combination of hydrocarbons separated as a liquid from natural gas in a gas recycling plant by processes such as refrigeration or absorption. It consists mainly of saturated aliphatic hydrocarbons having carbon numbers in the range of C2 through C8.]	265-048-9	64741-48-6	match found	match found
649-348-00-0	Naphtha (petroleum), light hydrocracked;Low boiling naphtha - unspecified;[A complex combination of hydrocarbons from distillation of the products from a hydrocracking process. It consists predominantly of saturated hydrocarbons having carbon numbers predominantly in the range of C4 through C10, and boiling in the range of approximately -20°C to 180°C (-4°F to 356°F).]	265-071-4	64741-69-1	match found	match found
649-349-00-6	Naphtha (petroleum), heavy hydrocracked;Low boiling point naphtha - unspecified;[A complex combination of hydrocarbons from distillation of the products from a hydrocracking process. It consists predominantly of saturated hydrocarbons having carbon numbers predominantly in the range of C6 through C12, and boiling in the range of approximately 65°C to 230°C (148°F to 446°F).]	265-079-8	64741-78-2	match found	match found
649-350-00-1	Naphtha (petroleum), sweetened;Low boiling point naphtha - unspecified;[A complex combination of hydrocarbons obtained by subjecting a petroleum naphtha to a sweetening process to convert mercaptans or to remove acidic impurities. It consists of hydrocarbons having carbon numbers predominantly in the range of C4 through C12 and boiling in the range of approximately -10°C to 230°C (14°F to 446°F).]	265-089-2	64741-87-3	match found	match found
649-351-00-7	Naphtha (petroleum), acid-treated;Low boiling point naphtha - unspecified;[A complex combination of hydrocarbons obtained as a raffinate from a sulfuric acid treating process. It consists of hydrocarbons having carbon numbers predominantly in the range of C7 through C12 and boiling in the range of approximately 90°C to 230°C (194°F to 446°F).]	265-115-2	64742-15-0	match not found	match not found
649-352-00-2	Naphtha (petroleum), chemically neutralized heavy;Low boiling point naphtha - unspecified;[A complex combination of hydrocarbons produced by a treating process to remove acidic materials. It consists of hydrocarbons having carbon numbers predominantly in the range of C6 through C12 and boiling in the range of approximately 65°C to 230°C (149°F to 446°F).]	265-122-0	64742-22-9	match not found	match not found
649-353-00-8	Naphtha (petroleum), chemically neutralized light;Low boiling point naphtha - unspecified;[A complex combination of hydrocarbons produced by a treating process to remove acidic materials. It consists of hydrocarbons having carbon numbers predominantly in the range of C4 through C11 and boiling in the range of approximately -20°C to 190°C (-4°F to 374°F).]	265-123-6	64742-23-0	match not found	match not found

Index No.	Name	EC No.	CAS No.	Registered	Notified
649-354-00-3	Naphtha (petroleum), catalytic dewaxed;Low boiling point naphtha - unspecified;[A complex combination of hydrocarbons obtained from the catalytic dewaxing of a petroleum fraction. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C5 through C12 and boiling in the range of approximately 35°C to 230°C (95°F to 446°F).]	265-170-2	64742-66-1	match found	match found
649-355-00-9	Naphtha (petroleum), light steam-cracked;Low boiling point naphtha - unspecified;[A complex combination of hydrocarbons obtained by the distillation of the products from a steam cracking process. It consists predominantly of unsaturated hydrocarbons having carbon numbers predominantly in the range of C4 through C11 and boiling in the range of approximately minus 20°C to 190°C (-4°F to 374°F). This stream is likely to contain 10 vol. % or more benzene.]	265-187-5	64742-83-2	match found	match found
649-356-00-4	Solvent naphtha (petroleum), light arom.;Low boiling point naphtha - unspecified;[A complex combination of hydrocarbons obtained from distillation of aromatic streams. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C8 through C10 and boiling in the range of approximately 135°C to 210°C (275°F to 410°F).]	265-199-0	64742-95-6	match found	match found
649-357-00-X	Aromatic hydrocarbons, C6-10, acid-treated, neutralized;Low boiling point naphtha - unspecified	268-618-5	68131-49-7	match not found	match not found
649-358-00-5	Distillates (petroleum), C3-5, 2-methyl-2-butene-rich;Low boiling point naphtha - unspecified;[A complex combination of hydrocarbons from the distillation of hydrocarbons usually ranging in carbon numbers from C3 through C5, predominantly isopentane and 3-methyl-1-butene. It consists of saturated and unsaturated hydrocarbons having carbon numbers in the range of C3 through C5, predominantly 2-methyl-2-butene.]	270-725-7	68477-34-9	match not found	match not found
649-359-00-0	Distillates (petroleum), polymd. steam-cracked petroleum distillates, C5-12 fraction;Low boiling point naphtha - unspecified;[A complex combination of hydrocarbons obtained from the distillation of polymerized steam-cracked petroleum distillate. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C5 through C12.]	270-735-1	68477-50-9	match found	match found
649-360-00-6	Distillates (petroleum), steam-cracked, C5-12 fraction;Low boiling point naphtha - unspecified;[A complex combination of organic compounds obtained by the distillation of products from a steam cracking process. It consists of unsaturated hydrocarbons having carbon numbers predominantly in the range of C5 through C12.]	270-736-7	68477-53-2	match found	match found
649-361-00-1	Distillates (petroleum), steam-cracked, C5-10 fraction, mixed with light steam-cracked petroleum naphtha C5 fraction;Low boiling point naphtha - unspecified	270-738-8	68477-55-4	match not found	match not found
649-362-00-7	Extracts (petroleum), cold-acid, C4-6;Low boiling point naphtha - unspecified;[A complex combination of organic compounds produced by cold acid unit extraction of saturated and unsaturated aliphatic hydrocarbons usually ranging in carbon numbers from C3 through C6, predominantly pentanes and amylenes. It consists predominantly of saturated and unsaturated hydrocarbons having carbon numbers in the range of C4 through C6, predominantly C5.]	270-741-4	68477-61-2	match not found	match not found
649-363-00-2	Distillates (petroleum), depentanizer overheads;Low boiling point naphtha - unspecified;[A complex combination of hydrocarbons obtained from a catalytic cracked gas stream. It consists of aliphatic hydrocarbons having carbon numbers predominantly in the range of C4 through C6.]	270-771-8	68477-89-4	match not found	match not found
649-364-00-8	Residues (petroleum), butane splitter bottoms;Low boiling point naphtha - unspecified;[A complex residuum from the distillation of butane stream. It consists of aliphatic hydrocarbons having carbon numbers predominantly in the range of C4 through C6.]	270-791-7	68478-12-6	match not found	match not found
649-365-00-3	Residual oils (petroleum), deisobutanizer tower;Low boiling point naphtha - unspecified;[A complex residuum from the atmospheric distillation of the butane-butylene stream. It consists of aliphatic hydrocarbons having carbon numbers predominantly in the range of C4 through C6.]	270-795-9	68478-16-0	match not found	match found

Index No.	Name	EC No.	CAS No.	Registered	Notified
649-366-00-9	Naphtha (petroleum), full-range coker;Low boiling point naphtha - unspecified;[A complex combination of hydrocarbons produced by the distillation of products from a fluid coker. It consists predominantly of unsaturated hydrocarbons having carbon numbers predominantly in the range of C4 through C15 and boiling in the range of approximately 43°C to 250°C (110°F-500°F).]	270-991-4	68513-02-0	match found	match found
649-367-00-4	Naphtha (petroleum), steam-cracked middle arom.;Low boiling point naphtha - unspecified;[A complex combination of hydrocarbons produced by the distillation of products from a steam-cracking process. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C7 through C12 and boiling in the range of approximately 130°C to 220°C (266°F to 428°F).]	271-138-9	68516-20-1	match found	match found
649-368-00-X	Naphtha (petroleum), clay-treated full-range straight-run;Low boiling point naphtha - unspecified;[A complex combination of hydrocarbons resulting from treatment of full-range straight-run naphtha with natural or modified clay, usually in a percolation process to remove the trace amounts of polar compounds and impurities present. It consists of hydrocarbons having carbon numbers predominantly in the range of C4 through C11 and boiling in the range of approximately -20°C to 220°C (-4°F to 429°F).]	271-262-3	68527-21-9	match not found	match not found
649-369-00-5	Naphtha (petroleum), clay-treated light straight-run;Low boiling point naphtha - unspecified;[A complex combination of hydrocarbons resulting from treatment of light straight-run naphtha with a natural or modified clay, usually in a percolation process to remove the trace amounts of polar compounds and impurities present. It consists of hydrocarbons having carbon numbers predominantly in the range of C7 through C10 and boiling in the range of approximately 93°C to 180°C (200°F to 356°F).]	271-263-9	68527-22-0	match not found	match not found
649-370-00-0	Naphtha (petroleum), light steam-cracked arom.;Low boiling point naphtha - unspecified;[A complex combination of hydrocarbons produced by distillation of products from a steam-cracking process. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C7 through C9 and boiling in the range of approximately 110°C to 165°C (230°F to 329°F).]	271-264-4	68527-23-1	match found	match found
649-371-00-6	Naphtha (petroleum), light steam-cracked, debenzenized;Low boiling point naphtha - unspecified;[A complex combination of hydrocarbons produced by distillation of products from a steam-cracking process. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C4 through C12 and boiling in the range of approximately 80°C to 218°C (176°F to 424°F).]	271-266-5	68527-26-4	match found	match found
649-372-00-1	Naphtha (petroleum), arom.-contg.;Low boiling point naphtha - unspecified	271-635-0	68603-08-7	match found	match found
649-373-00-7	Gasoline, pyrolysis, debutanizer bottoms;Low boiling point naphtha - unspecified;[A complex combination of hydrocarbons obtained from the fractionation of depropanizer bottoms. It consists of hydrocarbons having carbon numbers predominantly greater than C5.]	271-726-5	68606-10-0	match found	match found
649-374-00-2	Naphtha (petroleum), light, sweetened;Low boiling point naphtha - unspecified;[A complex combination of hydrocarbons obtained by subjecting a petroleum distillate to a sweetening process to convert mercaptans or to remove acidic impurities. It consists predominantly of saturated and unsaturated hydrocarbons having carbon numbers predominantly in the range of C3 through C6 and boiling in the range of approximately -20°C to 100°C (-4°F to 212°F).]	272-206-0	68783-66-4	match found	match found
649-375-00-8	Natural gas condensates;Low boiling point naphtha - unspecified;[A complex combination of hydrocarbons separated and/or condensed from natural gas during transportation and collected at the wellhead and/or from the production, gathering, transmission, and distribution pipelines in deeps, scrubbers, etc. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C2 through C8.]	272-896-3	68919-39-1	match not found	match found
649-376-00-3	Distillates (petroleum), naphtha unfiner stripper;Low boiling point naphtha - unspecified;[A complex combination of hydrocarbons produced by stripping the products from the naphtha unfiner. It consists of saturated aliphatic hydrocarbons having carbon numbers predominantly in the range of C2 through C6.]	272-932-8	68921-09-5	match not found	match not found

Index No.	Name	EC No.	CAS No.	Registered	Notified
649-377-00-9	Naphtha (petroleum), catalytic reformed light, arom.-free fraction;Low boiling point naphtha - unspecified;[A complex combination of hydrocarbons remaining after removal of aromatic compounds from catalytic reformed light naphtha in a selective absorption process. It consists predominantly of paraffinic and cyclic compounds having carbon numbers predominantly in the range of C5 to C8 and boiling in the range of approximately 66°C to 121°C (151°F to 250°F).]	285-510-3	85116-59-2	match found	match found
649-378-00-4	Gasoline;Low boiling point naphtha - unspecified;[A complex combination of hydrocarbons consisting primarily of paraffins, cycloparaffins, aromatic and olefinic hydrocarbons having carbon numbers predominantly greater than C3 and boiling in the range of 30°C to 260°C (86°F to 500°F).]	289-220-8	86290-81-5	match found	match found
649-379-00-X	Aromatic hydrocarbons, C7-8, dealkylation products, distn. residues;Low boiling point naphtha - unspecified	292-698-0	90989-42-7	match not found	match not found
649-380-00-5	Hydrocarbons, C4-6, depentanizer lights, arom. hydrotreater;Low boiling point naphtha - unspecified;[A complex combination of hydrocarbons obtained as first runnings from the depentanizer column before hydrotreatment of the aromatic charges. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C4 through C6, predominantly pentanes and pentenes, and boiling in the range of approximately 25°C to 40°C (77°F to 104°F).]	295-298-4	91995-38-9	match found	match found
649-381-00-0	Distillates (petroleum), heat-soaked steam-cracked naphtha, C5-rich;Low boiling point naphtha - unspecified;[A complex combination of hydrocarbons obtained by distillation of heat-soaked steam-cracked naphtha. It consists predominantly of hydrocarbons having carbon numbers in the range of C4 through C6, predominantly C5.]	295-302-4	91995-41-4	match found	match found
649-382-00-6	Extracts (petroleum), catalytic reformed light naphtha solvent;Low boiling point naphtha - unspecified;[A complex combination of hydrocarbons obtained as the extract from the solvent extraction of a catalytically reformed petroleum cut. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C7 through C8 and boiling in the range of approximately 100°C to 200°C (212°F to 392°F).]	295-331-2	91995-68-5	match found	match found
649-383-00-1	Naphtha (petroleum), hydrodesulfurized light, dearomatized;Low boiling point naphtha - unspecified;[A complex combination of hydrocarbons obtained by distillation of hydrodesulfurized and dearomatized light petroleum fractions. It consists predominantly of C7 paraffins and cycloparaffins boiling in a range of approximately 90°C to 100°C (194°F to 212°F).]	295-434-2	92045-53-9	match found	match found
649-384-00-7	Naphtha (petroleum), light, C5-rich, sweetened;Low boiling point naphtha - unspecified;[A complex combination of hydrocarbons obtained by subjecting a petroleum naphtha to a sweetening process to convert mercaptans or to remove acidic impurities. It consists of hydrocarbons having carbon numbers predominantly in the range of C4 through C5, predominantly C5, and boiling in the range of approximately minus 10°C to 35°C (14°F to 95°F).]	295-442-6	92045-60-8	match found	match found
649-385-00-2	Hydrocarbons, C8-11, naphtha-cracking, toluene cut;Low boiling point naphtha - unspecified;[A complex combination of hydrocarbons obtained by distillation from prehydrogenated cracked naphtha. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C8 through C11 and boiling in the range of approximately 130°C to 205°C (266°F to 401°F).]	295-444-7	92045-62-0	match not found	match not found
649-386-00-8	Hydrocarbons, C4-11, naphtha-cracking, arom.-free;Low boiling point naphtha - unspecified;[A complex combination of hydrocarbons obtained from prehydrogenated cracked naphtha after distillative separation of benzene- and toluene-containing hydrocarbon cuts and a higher boiling fraction. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C4 through C11 and boiling in the range of approximately 30°C to 205°C (86°F to 401°F).]	295-445-2	92045-63-1	match found	match found

Index No.	Name	EC No.	CAS No.	Registered	Notified
649-387-00-3	Naphtha (petroleum), light heat-soaked, steam-cracked;Low boiling point naphtha - unspecified;[A complex combination of hydrocarbons obtained by the fractionation of steam cracked naphtha after recovery from a heat soaking process. It consists predominantly of hydrocarbons having a carbon number predominantly in the range of C4 through C6 and boiling in the range of approximately 0°C to 80°C (32°F to 176°F).]	296-028-8	92201-97-3	match	not found
649-388-00-9	Distillates (petroleum), C6-rich;Low boiling point naphtha - unspecified;[A complex combination of hydrocarbons obtained from the distillation of a petroleum feedstock. It consists predominantly of hydrocarbons having carbon numbers of C5 through C7, rich in C6, and boiling in the range of approximately 60°C to 70°C (140°F to 158°F).]	296-903-4	93165-19-6	match found	match found
649-389-00-4	Gasoline, pyrolysis, hydrogenated;Low boiling point naphtha-unspecified;[A distillation fraction from the hydrogenation of pyrolysis gasoline boiling in the range of approximately 20°C to 200°C (68°F to 392°F).]	302-639-3	94114-03-1	match found	match found
649-390-00-X	Distillates (petroleum), steam-cracked, C8-12 fraction, polymd., distn. lights;Low boiling point naphtha - unspecified;[A complex combination of hydrocarbons obtained by distillation of the polymerized C8 through C12 fraction from steam-cracked petroleum distillates. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C8 through C12.]	305-750-5	95009-23-7	match not found	match found
649-391-00-5	Extracts (petroleum) heavy naphtha solvent, clay-treated;Low boiling point naphtha - unspecified;[A complex combination of hydrocarbons obtained by the treatment of heavy naphthiic solvent petroleum extract with bleaching earth. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C6 through C10 and boiling in the range of approximately 80°C to 180°C (175°F to 356°F).]	308-261-5	97926-43-7	match not found	match not found
649-392-00-0	Naphtha (petroleum), light steam-cracked, debenzenized, thermally treated;Low boiling point naphtha - unspecified;[A complex combination of hydrocarbons obtained by the treatment and distillation of debenzenized light steam-cracked petroleum naphtha. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C7 through C12 and boiling in the range of approximately 95°C to 200°C (203°F to 392°F).]	308-713-1	98219-46-6	match not found	match not found
649-393-00-6	Naphtha (petroleum), light steam-cracked, thermally treated;Low boiling point naphtha - unspecified;[A complex combination of hydrocarbons obtained by the treatment and distillation of light steam-cracked petroleum naphtha. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C5 through C6 and boiling in the range of approximately 35°C to 80°C (95°F to 176°F).]	308-714-7	98219-47-7	match found	match found
649-394-00-1	Distillates (petroleum), C7-9, C8-rich, hydrodesulfurized dearomatized;Low boiling point naphtha - unspecified;[A complex combination of hydrocarbons obtained by the distillation of petroleum light fraction, hydrodesulfurized and dearomatized. It consists predominantly of hydrocarbons having carbon numbers in the range of C7 through C9, predominantly C8 paraffins and cycloparaffins, boiling in the range of approximately 120°C to 130°C (248°F to 266°F).]	309-862-5	101316-56-7	match not found	match not found
649-395-00-7	Hydrocarbons, C6-8, hydrogenated sorption-dearomatized, toluene raffination;Low boiling point naphtha - unspecified;[A complex combination of hydrocarbons obtained during the sorptions of toluene from a hydrocarbon fraction from cracked gasoline treated with hydrogen in the presence of a catalyst. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C6 through C8 and boiling in the range of approximately 80°C to 135°C (176°F to 275°F).]	309-870-9	101316-66-9	match found	match found
649-396-00-2	Naphtha (petroleum), hydrodesulfurised full-range coker;Low boiling point naphtha - unspecified;[A complex combination of hydrocarbons obtained by fractionation from hydrodesulfurised coker distillate. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C5 to C11 and boiling in the range of approximately 23°C to 196°C (73°F to 385°F).]	309-879-8	101316-76-1	match found	match found

Index No.	Name	EC No.	CAS No.	Registered	Notified
649-397-00-8	Naphtha (petroleum), sweetened light;Low boiling point naphtha - unspecified;[A complex combination of hydrocarbons obtained by subjecting a petroleum naphtha to a sweetening process to convert mercaptans or to remove acidic impurities. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C5 through C8 and boiling in the range of approximately 20°C to 130°C (68°F to 266°F).]	309-976-5	101795-01-1	match found	match found
649-398-00-3	Hydrocarbons, C3-6, C5-rich, steam-cracked naphtha;Low boiling point naphtha - unspecified;[A complex combination of hydrocarbons obtained by distillation of steam-cracked naphtha. It consists predominantly of hydrocarbons having carbon numbers in the range of C3 through C6, predominantly C5.]	310-012-0	102110-14-5	match found	match found
649-399-00-9	Hydrocarbons, C5-rich, dicyclopentadiene-contg.;Low boiling point naphtha - unspecified;[A complex combination of hydrocarbons obtained by distillation of the products from a steam-cracking process. It consists predominantly of hydrocarbons having carbon numbers of C5 and dicyclopentadiene and boiling in the range of approximately 200°C to 300°C (392°F to 572°F).]	310-013-6	102110-15-6	match found	match found
649-400-00-2	Residues (petroleum), steam-cracked light, arom.;Low boiling point naphtha - unspecified;[A complex combination of hydrocarbons obtained by the distillation of the products of steam cracking or similar processes after taking off the very light products resulting in a residue starting with hydrocarbons having carbon numbers greater than C5. It consists predominantly of aromatic hydrocarbons having carbon numbers greater than C5 and boiling above approximately 40°C (104°F).]	310-057-6	102110-55-4	match found	match found
649-401-00-8	Hydrocarbons, C≥5, C5-6-rich;Low boiling point naphtha - unspecified	270-690-8	68476-50-6	match found	match found
649-402-00-3	Hydrocarbons, C5-rich;Low boiling point naphtha - unspecified	270-695-5	68476-55-1	match found	match found
649-403-00-9	Aromatic hydrocarbons, C8-10;Low boiling point naphtha - unspecified	292-695-4	90989-39-2	match not found	match found
649-435-00-3	Distillates (petroleum), light catalytic cracked;Cracked gasoil;[A complex combination of hydrocarbons produced by the distillation of products from a catalytic cracking process. It consists of hydrocarbons having carbon numbers predominantly in the range of C9 through C25 and boiling in the range of approximately 150 oC to 400 oC (302 oF to 752 oF). It contains a relatively large proportion of bicyclic aromatic hydrocarbons.]	265-060-4	64741-59-9	match found	match found
649-436-00-9	Distillates (petroleum), intermediate catalytic cracked;Cracked gasoil;[A complex combination of hydrocarbons produced by the distillation of products from a catalytic cracking process. It consists of hydrocarbons having carbon numbers predominantly in the range of C11 through C30 and boiling in the range of approximately 205 oC to 450 oC (401 oF to 842 oF). It contains a relatively large proportion of tricyclic aromatic hydrocarbons.]	265-062-5	64741-60-2	match found	match found
649-438-00-X	Distillates (petroleum), light thermal cracked;Cracked gasoil;[A complex combination of hydrocarbons from the distillation of the products from a thermal cracking process. It consists predominantly of unsaturated hydrocarbons having carbon numbers predominantly in the range of C10 through C22 and boiling in the range of approximately 160 oC to 370 oC (320 oF to 698 oF).]	265-084-5	64741-82-8	match found	match found
649-439-00-5	Distillates (petroleum), hydrodesulfurized light catalytic cracked;Cracked gasoil;[A complex combination of hydrocarbons obtained by treating light catalytic cracked distillates with hydrogen to convert organic sulfur to hydrogen sulfide which is removed. It consists of hydrocarbons having carbon numbers predominantly in the range of C9 through C25 and boiling in the range of approximately 150 oC to 400 oC (302 oF to 752 oF). It contains a relatively large proportion of bicyclic aromatic hydrocarbons.]	269-781-5	68333-25-5	match found	match found
649-440-00-0	Distillates (petroleum), light steam-cracked naphtha;Cracked gasoil;[A complex combination of hydrocarbons from the multiple distillation of products from a steam cracking process. It consists of hydrocarbons having carbon numbers predominantly in the range of C10 through C18.]	270-662-5	68475-80-9	match found	match found

Index No.	Name	EC No.	CAS No.	Registered	Notified
649-441-00-6	Distillates (petroleum), cracked steam-cracked petroleum distillates;Cracked gasoil;[A complex combination of hydrocarbons produced by distilling cracked steam cracked distillate and/or its fractionation products. It consists of hydrocarbons having carbon numbers predominantly in the range of C10 to low molecular weight polymers.]	270-727-8	68477-38-3	match found	match found
649-442-00-1	Gas oils (petroleum), steam-cracked;Cracked gasoil;[A complex combination of hydrocarbons produced by distillation of the products from a steam cracking process. It consists of hydrocarbons having carbon numbers predominantly greater than C9 and boiling in the range of from approximately 205 oC to 400 oC (400 oF to 752 oF).]	271-260-2	68527-18-4	match found	match found
649-443-00-7	Distillates (petroleum), hydrodesulfurized thermal cracked middle;Cracked gasoil;[A complex combination of hydrocarbons obtained by fractionation from hydrodesulfurized thermal cracker distillate stocks. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C11 to C25 and boiling in the range of approximately 205 oC to 400 oC (401 oF to 752 oF).]	285-505-6	85116-53-6	match found	match found
649-444-00-2	Gas oils (petroleum), thermal-cracked, hydrodesulfurized;Cracked gasoil	295-411-7	92045-29-9	match found	match found
649-445-00-8	Residues (petroleum), hydrogenated steam-cracked naphtha;Cracked gasoil;[A complex combination of hydrocarbons obtained as a residual fraction from the distillation of hydrotreated steam-cracked naphtha. It consists predominantly of hydrocarbons boiling in the range of approximately 200 oC to 350 oC (32 oF to 662 oF).]	295-514-7	92062-00-5	match not found	match not found
649-446-00-3	Residues (petroleum), steam-cracked naphtha distn.;Cracked gasoil;[A complex combination of hydrocarbons obtained as a column bottom from the separation of effluents from steam cracking naphtha at a high temperature. It boils in the range of approximately 147 oC to 300 oC (297 oF to 572 oF) and produces a finished oil having a viscosity of 18cSt at 50 oC.]	295-517-3	92062-04-9	match not found	match not found
649-447-00-9	Distillates (petroleum), light catalytic cracked, thermally degraded;Cracked gasoil;[A complex combination of hydrocarbons produced by the distillation of products from a catalytic cracking process which has been used as a heat transfer fluid. It consists predominantly of hydrocarbons boiling in the range of approximately 190 oC to 340 oC (374 oF to 644 oF). This stream is likely to contain organic sulfur compounds.]	295-991-1	92201-60-0	match not found	match not found
649-448-00-4	Residues (petroleum), steam-cracked heat-soaked naphtha;Cracked gasoil;[A complex combination of hydrocarbons obtained as residue from the distillation of steam cracked heat soaked naphtha and boiling in the range of approximately 150 oC to 350 oC (302 oF to 662 oF).]	297-905-8	93763-85-0	match not found	match not found
649-450-00-5	Gas oils (petroleum), light vacuum, thermal-cracked hydrodesulfurized;Cracked gasoil;[A complex combination of hydrocarbons obtained by catalytic dehydrodesulfurization of thermal-cracked light vacuum petroleum. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C14 through C20 and boiling in the range of approximately 270 oC to 370 oC (518 oF to 698 oF).]	308-278-8	97926-59-5	match not found	match not found
649-451-00-0	Distillates (petroleum), hydrodesulfurized middle coker;Cracked gasoil;[A complex combination of hydrocarbons by fractionation from hydrodesulfurized coker distillate stocks. It consists of hydrocarbons having carbon numbers predominantly in the range of C12 through C21 and boiling in the range of approximately 200 oC to 360 oC (392 oF to 680 oF).]	309-865-1	101316-59-0	match found	match found
649-452-00-6	Distillates (petroleum), heavy steam-cracked;Cracked gasoil;[A complex combination of hydrocarbons obtained by distillation of steam cracking heavy residues. It consists predominantly of highly alkylated heavy aromatic hydrocarbons boiling in the range of approximately 250 oC to 400 oC (482 oF to 752 oF).]	309-939-3	101631-14-5	match found	match found
649-453-00-1	Distillates (petroleum), heavy hydrocracked;Baseoil - unspecified;[A complex combination of hydrocarbons from the distillation of the products from a hydrocracking process. It consists predominantly of saturated hydrocarbons having carbon numbers in the range of C15-C39 and boiling in the range of approximately 260 oC to 600 oC (500 oF to 1112 oF).]	265-077-7	64741-76-0	match found	match found

Index No.	Name	EC No.	CAS No.	Registered	Notified
649-454-00-7	Distillates (petroleum), solvent-refined heavy paraffinic;Baseoil - unspecified;[A complex combination of hydrocarbons obtained as the raffinate from a solvent extraction process. It consists predominantly of saturated hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil with a viscosity of at least 100 SUS at 100 oF (19cSt at 40 oC).]	265-090-8	64741-88-4	match found	match found
649-455-00-2	Distillates (petroleum), solvent-refined light paraffinic;Baseoil - unspecified;[A complex combination of hydrocarbons obtained as the raffinate from a solvent extraction process. It consists predominantly of saturated hydrocarbons having carbon numbers predominantly in the range of C15 through C30 and produces a finished oil with a viscosity of less than 100 SUS at 100 oF (19cSt at 40 oC).]	265-091-3	64741-89-5	match found	match found
649-456-00-8	Residual oils (petroleum), solvent deasphalted;Baseoil - unspecified;[A complex combination of hydrocarbons obtained as the solvent soluble fraction from C3-C4 solvent deasphalting of a residuum. It consists of hydrocarbons having carbon numbers predominantly higher than C25 and boiling above approximately 400 oC (752 oF).]	265-096-0	64741-95-3	match found	match found
649-457-00-3	Distillates (petroleum), solvent-refined heavy naphthenic;Baseoil - unspecified;[A complex combination of hydrocarbons obtained as the raffinate from a solvent extraction process. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil with a viscosity of at least 100 SUS at 100 oF (19cSt a 40 oC). It contains relatively few normal paraffins.]	265-097-6	64741-96-4	match found	match found
649-458-00-9	Distillates (petroleum), solvent-refined light naphthenic;Baseoil - unspecified;[A complex combination of hydrocarbons obtained as the raffinate from a solvent extraction process. It consists of hydrocarbons having carbon numbers predominantly in the range of C15 through C30 and produces a finished oil with a viscosity of less than 100 SUS at 100 oF (19cSt at 40 oC). It contains relatively few normal paraffins.]	265-098-1	64741-97-5	match found	match found
649-459-00-4	Residual oils (petroleum,) solvent-refined;Baseoil - unspecified;[A complex combination by hydrocarbons obtained as the solvent insoluble fraction from solvent refining of a residuum using a polar organic solvent such as phenol or furfural. It consists of hydrocarbons having carbon numbers predominantly higher than C25 and boiling above approximately	265-101-6	64742-01-4	match found	match found
649-460-00-X	Distillates (petroleum), clay-treated paraffinic;Baseoil - unspecified;[A complex combination of hydrocarbons resulting from treatment of a petroleum fraction with natural or modified clay in either a contacting or percolation process to remove the trace amounts of polar compounds and impurities present. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil with a viscosity of at least 100 SUS at 100 oF (19cSt at 40 oC). It contains a relatively large proportion of saturated hydrocarbons.]	265-137-2	64742-36-5	match not found	match found
649-461-00-5	Distillates (petroleum), clay-treated light paraffinic;Baseoil - unspecified;[A complex combination of hydrocarbons resulting from treatment of a petroleum fraction with natural or modified clay in either a contacting or percolation process to remove the trace amounts of polar compounds and impurities present. It consists of hydrocarbons having carbon numbers predominantly in the range of C15 through C30 and produces a finished oil with a viscosity of less than 100 SUS at 100 oF (19cSt at 40 oC). It contains a relatively large proportion of saturated hydrocarbons.]	265-138-8	64742-37-6	match not found	match found
649-462-00-0	Residual oils (petroleum), clay-treated;Baseoil - unspecified;[A complex combination of hydrocarbons obtained by treatment of a residual oil with a natural or modified clay in either a contacting or percolation process to remove the trace amounts of polar compounds and impurities present. It consists of hydrocarbons having carbon numbers predominantly higher than C25 and boiling above approximately 400 oC (752 oF).]	265-143-5	64742-41-2	match not found	match found

Index No.	Name	EC No.	CAS No.	Registered	Notified
649-463-00-6	Distillates (petroleum), clay-treated heavy naphthenic;Baseoil - unspecified;[A complex combination of hydrocarbons resulting from treatment of a petroleum fraction with natural or modified clay in either a contacting or percolation process to remove the trace amounts of polar compounds and impurities present. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil with a viscosity of at least 100 SUS at 100 oF (19cSt at 40 oC). It contains relatively few normal paraffins.]	265-146-1	64742-44-5	match	not found match found
649-464-00-1	Distillates (petroleum), clay-treated light naphthenic;Baseoil - unspecified;[A complex combination of hydrocarbons resulting from treatment of a petroleum fraction with natural or modified clay in either a contacting or percolation process to remove the trace amounts of polar compounds and impurities present. It consists of hydrocarbons having carbon numbers predominantly in the range of C15 through C30 and produces a finished oil with a viscosity of less than 100 SUS at 100 oF (19cSt at 40 oC). It contains relatively few normal paraffins.]	265-147-7	64742-45-6	match	not found match found
649-465-00-7	Distillates (petroleum), hydrotreated heavy naphthenic;Baseoil - unspecified;[A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil of at least 100 SUS at 100 oF (19cSt at 40 oC). It contains relatively few normal paraffins.]	265-155-0	64742-52-5	match	found match found
649-466-00-2	Distillates (petroleum), hydrotreated light naphthenic;Baseoil - unspecified;[A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C15 through C30 and produces a finished oil with a viscosity of less than 100 SUS at 100 oF (19cSt at 40 oC). It contains relatively few normal paraffins.]	265-156-6	64742-53-6	match	found match found
649-467-00-8	Distillates (petroleum), hydrotreated heavy paraffinic;Baseoil - unspecified;[A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil of at least 100 SUS at 100 oF (19cSt at 40 oC). It contains a relatively large proportion of saturated hydrocarbons.]	265-157-1	64742-54-7	match	found match found
649-468-00-3	Distillates (petroleum), hydrotreated light paraffinic;Baseoil - unspecified;[A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C15 through C30 and produces a finished oil with a viscosity of less than 100 SUS at 100 oF (19cSt at 40 oC). It contains a relatively large proportion of saturated hydrocarbons.]	265-158-7	64742-55-8	match	found match found
649-469-00-9	Distillates (petroleum), solvent-dewaxed light paraffinic;Baseoil - unspecified;[A complex combination of hydrocarbons obtained by removal of normal paraffins from a petroleum fraction by solvent crystallization. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C15 through C30 and produces a finished oil with a viscosity of less than 100 SUS at 100 oF (19cSt at 40 oC).]	265-159-2	64742-56-9	match	found match found
649-470-00-4	Residual oils (petroleum), hydrotreated;Baseoil - unspecified;[A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly greater than C25 and boiling above approximately 400 oC (752 oF).]	265-160-8	64742-57-0	match	found match found
649-471-00-X	Residual oils (petroleum), solvent-dewaxed;Baseoil - unspecified;[A complex combination of hydrocarbons obtained by removal of long, branched chain hydrocarbons from a residual oil by solvent crystallization. It consists of hydrocarbons having carbon numbers predominantly greater than C25 and boiling above approximately 400 oC (752 oF).]	265-166-0	64742-62-7	match	found match found

Index No.	Name	EC No.	CAS No.	Registered	Notified
649-472-00-5	Distillates (petroleum), solvent-dewaxed heavy naphthenic;Baseoil - unspecified;[A complex combination of hydrocarbons obtained by removal of normal paraffins from a petroleum fraction by solvent crystallization. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 . through C50 and produces a finished oil of not less than 100 SUS at 100 oF (19cSt at 40 oC). It contains relatively few normal paraffins.]	265-167-6	64742-63-8	match	not found
649-473-00-0	Distillates (petroleum), solvent-dewaxed light naphthenic;Baseoil - unspecified;[A complex combination of hydrocarbons obtained by removal of normal paraffins from a petroleum fraction by solvent crystallization. It consists of hydrocarbons having carbon numbers predominantly in the range C15 through C30 and produces a finished oil with a viscosity of less than 100 SUS at 100 oF (19cSt at 40 oC). It contains relatively few normal paraffins.]	265-168-1	64742-64-9	match	not found
649-474-00-6	Distillates (petroleum), solvent-dewaxed heavy paraffinic;Baseoil - unspecified;[A complex combination of hydrocarbons obtained by removal of normal paraffins from a petroleum fraction by solvent crystallization. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil with a viscosity not less than 100 SUS at 100 oF (19cSt at 40 oC).]	265-169-7	64742-65-0	match	found
649-475-00-1	Naphthenic oils (petroleum), catalytic dewaxed heavy;Baseoil - unspecified;[A complex combination of hydrocarbons obtained from a catalytic dewaxing process. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil with a viscosity of at least 100 SUS at 100 oF (19cSt at 40 oC). It contains relatively few normal paraffins.]	265-172-3	64742-68-3	match	not found
649-476-00-7	Naphthenic oils (petroleum), catalytic dewaxed light;Baseoil - unspecified;[A complex combination of hydrocarbons obtained from a catalytic dewaxing process. It consists of hydrocarbons having carbon numbers predominantly in the range of C15 through C30 and produces a finished oil with a viscosity less than 100 SUS at 100 oF (19cSt at 40 oC). It contains relatively few normal paraffins.]	265-173-9	64742-69-4	match	not found
649-477-00-2	Paraffin oils (petroleum), catalytic dewaxed heavy;Baseoil - unspecified;[A complex combination of hydrocarbons obtained from a catalytic dewaxing process. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil with a viscosity of at least 100 SUS at 100 oF (19cSt at 40 oC).]	265-174-4	64742-70-7	match	found
649-478-00-8	Paraffin oils (petroleum), catalytic dewaxed light;Baseoil - unspecified;[A complex combination of hydrocarbons obtained from a catalytic dewaxing process. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C15 through C30 and produces a finished oil with a viscosity of less than 100 SUS at 100 oF (19cSt at 40 oC).]	265-176-5	64742-71-8	match	found
649-479-00-3	Naphthenic oils (petroleum), complex dewaxed heavy;Baseoil - unspecified;[A complex combination of hydrocarbons obtained by removing straight chain paraffin hydrocarbons as a solid by treatment with an agent such as urea. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil having a viscosity of at least 100 SUS at 100 oF (19cSt at 40 oC). It contains relatively few normal paraffins.]	265-179-1	64742-75-2	match	not found
649-480-00-9	Naphthenic oils (petroleum), complex dewaxed light;Baseoil - unspecified;[A complex combination of hydrocarbons obtained from a catalytic dewaxing process. It consists of hydrocarbons having carbon numbers predominantly in the range of C15 through C30 and produces a finished oil having a viscosity less than 100 SUS at 100 oF (19cSt at 40 oC). It contains relatively few normal paraffins.]	265-180-7	64742-76-3	match	not found

Index No.	Name	EC No.	CAS No.	Registered	Notified
649-481-00-4	Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based, high-viscosity;Baseoil - unspecified;[A complex combination of hydrocarbons obtained by treating light vacuum gas oil, heavy vacuum gas oil, and solvent deasphalted residual oil with hydrogen in the presence of a catalyst in a two stage process with dewaxing being carried out between the two stages. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil having a viscosity of approximately 112cSt at 40 oC. It contains a relatively large proportion of saturated hydrocarbons.]	276-736-3	72623-85-9	match found	match found
649-482-00-X	Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based;Baseoil - unspecified;[A complex combination of hydrocarbons obtained by treating light vacuum gas oil and heavy vacuum gas oil with hydrogen in the presence of a catalyst in a two stage process with dewaxing being carried out between the two stages. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C15 through C30 and produces a finished oil having a viscosity of approximately 15cSt at 40 oC. It contains a relatively large proportion of saturated hydrocarbons.]	276-737-9	72623-86-0	match found	match found
649-483-00-5	Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based;Baseoil - unspecified;[A complex combination of hydrocarbons obtained by treating light vacuum gas oil, heavy vacuum gas oil and solvent deasphalted residual oil with hydrogen in the presence of a catalyst in a two stage process with dewaxing being carried out between the two stages. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil with a viscosity of approximately 32cSt at 40 oC. It contains a relatively large proportion of saturated hydrocarbons.]	276-738-4	72623-87-1	match found	match found
649-484-00-0	Lubricating oils;Baseoil - unspecified;[A complex combination of hydrocarbons obtained from solvent extraction and dewaxing processes. It consists predominantly of saturated hydrocarbons having carbon numbers in the range C15 through C50.]	278-012-2	74869-22-0	match found	match found
649-485-00-6	Distillates (petroleum), complex dewaxed heavy paraffinic;Baseoil - unspecified;[A complex combination of hydrocarbons obtained by dewaxing heavy paraffinic distillate. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil with a viscosity of equal to or greater than 100 SUS at 100 oF (19cSt at 40 oC). It contains relatively few normal paraffins.]	292-613-7	90640-91-8	match not found	match not found
649-486-00-1	Distillates (petroleum), complex dewaxed light paraffinic;Baseoil unspecified;[A complex combination of hydrocarbons obtained by dewaxing light paraffinic distillate. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C12 through C30 and produces a finished oil with a viscosity of less than 100 SUS at 100 oF (19cSt at 40 oC). It contains relatively few normal paraffins.]	292-614-2	90640-92-9	match not found	match not found
649-487-00-7	Distillates (petroleum), solvent dewaxed heavy paraffinic, clay-treated;Baseoil - unspecified;[A complex combination of hydrocarbons obtained by treating dewaxed heavy paraffinic distillate with neutral or modified clay in either a contacting or percolation process. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C20 through C50.]	292-616-3	90640-94-1	match not found	match not found
649-488-00-2	Hydrocarbons, C20-50, solvent dewaxed heavy paraffinic, hydrotreated;Baseoil - unspecified;[A complex combination of hydrocarbons produced by treating dewaxed heavy paraffinic distillate with hydrogen in the presence of a catalyst. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C20 through C50.]	292-617-9	90640-95-2	match not found	match found
649-489-00-8	Distillates (petroleum), solvent dewaxed light paraffinic, clay-treated;Baseoil - unspecified;[A complex combination of hydrocarbons resulting from treatment of dewaxed light paraffinic distillate with natural or modified clay in either a contacting or percolation process. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C15 through C30.]	292-618-4	90640-96-3	match not found	match not found

Index No.	Name	EC No.	CAS No.	Registered	Notified
649-490-00-3	Distillates (petroleum), solvent dewaxed light paraffinic, hydrotreated;Baseoil - unspecified;[A complex combination of hydrocarbons produced by treating a dewaxed light paraffinic distillate with hydrogen in the presence of a catalyst. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C15 through C30.]	292-620-5	90640-97-4	match	not found
649-491-00-9	Residual oils (petroleum), hydrotreated solvent dewaxed;Baseoil unspecified	292-656-1	90669-74-2	match	not found
649-492-00-4	Residual oils (petroleum), catalytic dewaxed;Baseoil - unspecified	294-843-3	91770-57-9	match	found
649-493-00-X	Distillates (petroleum), dewaxed heavy paraffinic, hydrotreated;Baseoil - unspecified;[A complex combination of hydrocarbons obtained from an intensive treatment of dewaxed distillate by hydrogenation in the presence of a catalyst. It consists predominantly of saturated hydrocarbons having carbon numbers predominantly in the range of C25 through C39 and produces a finished oil with a viscosity of approximately 44 cSt at 50 oC.]	295-300-3	91995-39-0	match	not found
649-494-00-5	Distillates (petroleum), dewaxed light paraffinic, hydrotreated;Baseoil - unspecified;[A complex combination of hydrocarbons obtained from an intensive treatment of dewaxed distillate by hydrogenation in the presence of a catalyst. It consists predominantly of saturated hydrocarbons having carbon numbers predominantly in the range of C21 through C29 and produces a finished oil with a viscosity of approximately 13 cSt at 50 oC.]	295-301-9	91995-40-3	match	found
649-495-00-0	Distillates (petroleum), hydrocracked solvent-refined, dewaxed;Baseoil - unspecified;[A complex combination of liquid hydrocarbons obtained by recrystallization of dewaxed hydrocracked solvent-refined petroleum distillates.]	295-306-6	91995-45-8	match	not found
649-496-00-6	Distillates (petroleum), solvent-refined light naphthenic, hydrotreated;Baseoil - unspecified;[A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst and removing the aromatic hydrocarbons by solvent extraction. It consists predominantly of naphthenic hydrocarbons having carbon numbers predominantly in the range of C15 through C30 and produces a finished oil with a viscosity of between 13-15cSt at 40 oC.]	295-316-0	91995-54-9	match	not found
649-497-00-1	Lubricating oils (petroleum), C17-35, solvent-extd., dewaxed, hydrotreated;Baseoil - unspecified	295-423-2	92045-42-6	match	not found
649-498-00-7	Lubricating oils (petroleum), hydrocracked nonarom. solvent-deparaffined;Baseoil - unspecified	295-424-8	92045-43-7	match	not found
649-499-00-2	Residual oils (petroleum), hydrocracked acid-treated solvent-dewaxed;Baseoil - unspecified;[A complex combination of hydrocarbons produced by solvent removal of paraffins from the residue of the distillation of acid-treated, hydrocracked heavy paraffins and boiling approximately above 380 oC (716 oF).]	295-499-7	92061-86-4	match	not found
649-500-00-6	Paraffin oils (petroleum), solvent-refined dewaxed heavy;Baseoil - unspecified;[A complex combination of hydrocarbons obtained from sulfur-containing paraffinic crude oil. It consists predominantly of a solvent refined deparaffinated lubricating oil with a viscosity of 65cSt at 50 oC.]	295-810-6	92129-09-4	match	not found
649-501-00-1	Lubricating oils (petroleum), base oils, paraffinic;Baseoil - unspecified;[A complex combination of hydrocarbons obtained by refining of crude oil. It consists predominantly of aromatics, naphthenics and paraffinics and produces a finished oil with a viscosity of 120 SUS at 100 oF (23cSt at 40 oC).]	297-474-6	93572-43-1	match	found
649-502-00-7	Hydrocarbons, hydrocracked paraffinic distn. residues, solvent-dewaxed;Baseoil - unspecified	297-857-8	93763-38-3	match	not found
649-503-00-2	Hydrocarbons, C20-50, residual oil hydrogenation vacuum distillate;Baseoil - unspecified	300-257-1	93924-61-9	match	not found
649-504-00-8	Distillates (petroleum), solvent-refined hydrotreated heavy, hydrogenated;Baseoil - unspecified	305-588-5	94733-08-1	match	found
649-505-00-3	Distillates (petroleum), solvent-refined hydrocracked light;Baseoil - unspecified;[A complex combination of hydrocarbons obtained by solvent dearomatization of the residue of hydrocracked petroleum. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C18 through C27 and boiling in the range of approximately 370 oC to 450 oC (698 oF to 842 oF).]	305-589-0	94733-09-2	match	not found

Index No.	Name	EC No.	CAS No.	Registered	Notified
649-506-00-9	Lubricating oils (petroleum), C18-40, solvent-dewaxed hydrocracked distillate-based;Baseoil - unspecified;[A complex combination of hydrocarbons obtained by solvent deparaffination of the distillation residue from hydrocracked petroleum. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C18 through C40 and boiling in the range of approximately 370 oC to 550 oC (698 oF to 1022	305-594-8	94733-15-0	match found	match found
649-507-00-4	Lubricating oils (petroleum), C18-40, solvent-dewaxed hydrogenated raffinate-based;Baseoil - unspecified;[A complex combination of hydrocarbons obtained by solvent deparaffination of the hydrogenated raffinate obtained by solvent extraction of a hydrotreated petroleum distillate. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C18 through C40 and boiling in the range of approximately 370 oC to 550 oC (698 oF to 1022 oF).]	305-595-3	94733-16-1	match not found	match not found
649-508-00-X	Hydrocarbons, C13-30, arom.-rich, solvent-extd. naphthenic distillate;Baseoil - unspecified	305-971-7	95371-04-3	match not found	match not found
649-509-00-5	Hydrocarbons, C16-32, arom. rich, solvent-extd. naphthenic distillate;Baseoil - unspecified	305-972-2	95371-05-4	match not found	match not found
649-510-00-0	Hydrocarbons, C37-68, dewaxed deasphalted hydrotreated vacuum distn. residues;Baseoil - unspecified	305-974-3	95371-07-6	match not found	match not found
649-511-00-6	Hydrocarbons, C37-65, hydrotreated deasphalted vacuum distn. residues;Baseoil - unspecified	305-975-9	95371-08-7	match not found	match not found
649-512-00-1	Distillates (petroleum), hydrocracked solvent-refined light;Baseoil - unspecified;[A complex combination of hydrocarbons obtained by the solvent treatment of a distillate from hydrocracked petroleum distillates. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C18 through C27 and boiling in the range of approximately 370 oC to 450 oC (698 oF to 842	307-010-7	97488-73-8	match not found	match not found
649-513-00-7	Distillates (petroleum), solvent-refined hydrogenated heavy;Baseoil - unspecified;[A complex combination of hydrocarbons, obtained by the treatment of a hydrogenated petroleum distillate with a solvent. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C19 through C40 and boiling in the range of approximately 390 oC to 550 oC (734 oF to 1022 oF).]	307-011-2	97488-74-9	match not found	match not found
649-514-00-2	Lubricating oils (petroleum), C18-27, hydrocracked solvent-dewaxed;Baseoil - unspecified	307-034-8	97488-95-4	match not found	match not found
649-515-00-8	Hydrocarbons, C17-30, hydrotreated solvent-deasphalted atm. distn. residue, distn. lights;Baseoil - unspecified;[A complex combination of hydrocarbons obtained as first runnings from the vacuum distillation of effluents from the treatment of a solvent deasphalted short residue with hydrogen in the presence of a catalyst. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C17 through C30 and boiling in the range of approximately 300 oC to 400 oC (572 oF to 752 oF). It produces a finished oil having a viscosity of 4cSt at approximately 100 oC (212 oF).]	307-661-7	97675-87-1	match not found	match not found
649-516-00-3	Hydrocarbons, C17-40, hydrotreated solvent-deasphalted distn. residue, vacuum distn. lights;Baseoil - unspecified;[A complex combination of hydrocarbons obtained as first runnings from the vacuum distillation of effluents from the catalytic hydrotreatment of a solvent deasphalted short residue having a viscosity of 8cSt at approximately 100 oC (212 oF). It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C17 through C40 and boiling in the range of approximately 300 oC to 500 oC (592 oF to 932 oF).]	307-755-8	97722-06-0	match not found	match not found
649-517-00-9	Hydrocarbons, C13-27, solvent-extd. light naphthenic;Baseoil - unspecified;[A complex combination of hydrocarbons obtained by extraction of the aromatics from a light naphthenic distillate having a viscosity of 9.5cSt at 40 oC (104 oF). It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C13 through C27 and boiling in the range of approximately 240 oC to 400 oC (464 oF to 752 oF).]	307-758-4	97722-09-3	match not found	match not found

Index No.	Name	EC No.	CAS No.	Registered	Notified
649-518-00-4	Hydrocarbons, C14-29, solvent-extd. light naphthenic;Baseoil - unspecified;[A complex combination of hydrocarbons obtained by extraction of the aromatics from a light naphthenic distillate having a viscosity of 16cSt at 40 oC (104 oF). It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C14 through C29 and boiling in the range of approximately 250 oC to 425 oC (482 oF to 797 oF).]	307-760-5	97722-10-6	match	not found
649-519-00-X	Hydrocarbons, C27-42, dearomatized;Baseoil - unspecified	308-131-8	97862-81-2	match	not found
649-520-00-5	Hydrocarbons, C17-30, hydrotreated distillates, distn. lights;Baseoil - unspecified	308-132-3	97862-82-3	match	found
649-521-00-0	Hydrocarbons, C27-45, naphthenic vacuum distn.;Baseoil - unspecified	308-133-9	97862-83-4	match	not found
649-522-00-6	Hydrocarbons, C27-45, dearomatized;Baseoil - unspecified	308-287-7	97926-68-6	match	not found
649-523-00-1	Hydrocarbons, C20-58, hydrotreated;Baseoil - unspecified	308-289-8	97926-70-0	match	not found
649-524-00-7	Hydrocarbons, C27-42, naphthenic;Baseoil - unspecified	308-290-3	97926-71-1	match	not found
649-525-00-2	Residual oils (petroleum), carbon-treated solvent-dewaxed;Baseoil - unspecified;[A complex combination of hydrocarbons obtained by the treatment of solvent-dewaxed petroleum residual oils with activated charcoal for the removal of trace polar constituents and impurities.]	309-710-8	100684-37-5	match	not found
649-526-00-8	Residual oils (petroleum), clay-treated solvent-dewaxed;Baseoil - unspecified;[A complex combination of hydrocarbons obtained by treatment of solvent-dewaxed petroleum residual oils with bleaching earth for the removal of trace polar constituents and impurities.]	309-711-3	100684-38-6	match	not found
649-527-00-3	Lubricating oils (petroleum), C >25, solvent-extd., deasphalted, dewaxed, hydrogenated;Baseoil - unspecified;[A complex combination of hydrocarbons obtained by solvent extraction and hydrogenation of vacuum distillation residues. It consists predominantly of hydrocarbons having carbon numbers predominantly greater than C25 and produces a finished oil with a viscosity in the order of 32cSt to 37cSt at 100 oC (212 oF).]	309-874-0	101316-69-2	match	found
649-528-00-9	Lubricating oils (petroleum), C17-32, solvent-extd., dewaxed, hydrogenated;Baseoil - unspecified;[A complex combination of hydrocarbons obtained by solvent extraction and hydrogenation of atmospheric distillation residues. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C17 through C32 and produced a finished oil with a viscosity in the order of 17cSt to 23cSt at 40 oC (104 oF).]	309-875-6	101316-70-5	match	not found
649-529-00-4	Lubricating oils (petroleum), C20-35, solvent-extd., dewaxed, hydrogenated;Baseoil - unspecified;[A complex combination of hydrocarbons obtained by solvent extraction and hydrogenation of atmospheric distillation residues. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C20 through C35 and produces a finished oil with a viscosity in the order of 37cSt to 44cSt at 40 oC (104 oF).]	309-876-1	101316-71-6	match	not found
649-530-00-X	Lubricating oils (petroleum), C24-50, solvent-extd., dewaxed, hydrogenated;Baseoil - unspecified;[A complex combination of hydrocarbons obtained by solvent extraction and hydrogenation of atmospheric distillation residues. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C24 through C50 and produces a finished oil with a viscosity in the order of 16cSt to 75cSt at 40 oC (104 oF).]	309-877-7	101316-72-7	match	found
649-531-00-5	Extracts (petroleum), heavy naphthenic distillate solvent, arom. conc.;Distillate aromatic extract (treated);[An aromatic concentrate produced by adding water to heavy naphthenic distillate solvent extract and extraction solvent.]	272-175-3	68783-00-6	match	not found
649-532-00-0	Extracts (petroleum), solvent-refined heavy paraffinic distillate solvent;Distillate aromatic extract (treated);[A complex combination of hydrocarbons obtained as the extract from the re-extraction of solvent-refined heavy paraffinic distillate. It consists of saturated and aromatic hydrocarbons having carbon numbers predominantly in the range of C20 through C50.]	272-180-0	68783-04-0	match	found

Index No.	Name	EC No.	CAS No.	Registered	Notified
649-533-00-6	Extracts (petroleum), heavy paraffinic distillates, solvent-deasphalted; Distillate aromatic extract (treated); [A complex combination of hydrocarbons obtained as the extract from a solvent extraction of heavy paraffinic distillate.]	272-342-0	68814-89-1	match found	match found
649-534-00-1	Extracts (petroleum), heavy naphthenic distillate solvent, hydrotreated; Distillate aromatic extract (treated); [A complex combination of hydrocarbons obtained by treating a heavy naphthenic distillate solvent extract with hydrogen in the presence of a catalyst. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil of at least 19cSt at 40 oC (100 SUS at 100 oF).]	292-631-5	90641-07-9	match not found	match not found
649-535-00-7	Extracts (petroleum), heavy paraffinic distillate solvent, hydrotreated; Distillate aromatic extract (treated); [A complex combination of hydrocarbons produced by treating a heavy paraffinic distillate solvent extract with hydrogen in the presence of a catalyst. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C21 through C33 and boiling in the range of approximately 350 oC to 480 oC (662 oF to 896 oF).]	292-632-0	90641-08-0	match not found	match not found
649-536-00-2	Extracts (petroleum), light paraffinic distillate solvent, hydrotreated; Distillate aromatic extract (treated); [A complex combination of hydrocarbons produced by treating a light paraffinic distillate solvent extract with hydrogen in the presence of a catalyst. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C17 through C26 and boiling in the range of approximately 280 oC to 400 oC (536 oF to 752 oF).]	292-633-6	90641-09-1	match not found	match not found
649-537-00-8	Extracts (petroleum), hydrotreated light paraffinic distillate solvent; Distillate aromatic extract (treated); [A complex combination of hydrocarbons obtained as the extract from solvent extraction of intermediate paraffinic top solvent distillate that is treated with hydrogen in the presence of a catalyst. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C16 through C36.]	295-335-4	91995-73-2	match not found	match not found
649-538-00-3	Extracts (petroleum), light naphthenic distillate solvent, hydrodesulfurized; Distillate aromatic extract (treated); [A complex combination of hydrocarbons obtained by treating the extract, obtained from a solvent extraction process, with hydrogen in the presence of a catalyst under conditions primarily to remove sulfur compounds. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C15 through C30. This stream is likely to contain 5 wt.% or more of 4- to 6-membered condensed ring aromatic hydrocarbons.]	295-338-0	91995-75-4	match not found	match not found
649-539-00-9	Extracts (petroleum), light paraffinic distillate solvent, acid-treated; Distillate aromatic extract (treated); [A complex combination of hydrocarbons obtained as a fraction of the distillation of an extract from the solvent extraction of light paraffinic top petroleum distillates that is subjected to a sulfuric acid refining. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C16 through C32.]	295-339-6	91995-76-5	match not found	match not found
649-540-00-4	Extracts (petroleum), light paraffinic distillate solvent, hydrodesulfurized; Distillate aromatic extract (treated); [A complex combination of hydrocarbons obtained by solvent extraction of a light paraffin distillate and treated with hydrogen to convert the organic sulfur to hydrogen sulfide which is eliminated. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C15 through C40 and produces a finished oil with a viscosity of greater than 10cSt at 40 oC.]	295-340-1	91995-77-6	match not found	match not found
649-541-00-X	Extracts (petroleum), light vacuum gas oil solvent, hydrotreated; Distillate aromatic extract (treated); [A complex combination of hydrocarbons, obtained by solvent extraction from light vacuum petroleum gas oils and treated with hydrogen in the presence of a catalyst. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C13 through C30.]	295-342-2	91995-79-8	match not found	match not found

Index No.	Name	EC No.	CAS No.	Registered	Notified
649-542-00-5	Extracts (petroleum), heavy paraffinic distillate solvent, clay-treated;Distillate aromatic extract (treated);[A complex combination of hydrocarbons resulting from treatment of a petroleum fraction with natural or modified clay in either a contact or percolation process to remove the trace amounts of polar compounds and impurities present. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C20 through C50. This stream is likely to contain 5 wt.% or more 4-6 membered ring aromatic hydrocarbons.]	296-437-1	92704-08-0	match	not found
649-543-00-0	Extracts (petroleum), heavy naphthenic distillate solvent, hydrodesulfurized;Distillate aromatic extract (treated);[A complex combination of hydrocarbons obtained from a petroleum stock by treating with hydrogen to convert organic sulfur to hydrogen sulfide which is removed. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C15 through C50 and produces a finished oil with a viscosity of greater than 19cSt at 40 oC.]	297-827-4	93763-10-1	match	not found
649-544-00-6	Extracts (petroleum), solvent-dewaxed heavy paraffinic distillate solvent, hydrodesulfurized;Distillate aromatic extract (treated);[A complex combination of hydrocarbons obtained from a solvent dewaxed petroleum stock by treating with hydrogen to convert organic sulfur to hydrogen sulfide which is removed. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C15 through C50 and produces a finished oil with a viscosity of greater than 19cSt at 40 oC.]	297-829-5	93763-11-2	match	not found
649-545-00-1	Extracts (petroleum), light paraffinic distillate solvent, carbon-treated;Distillate aromatic extract (treated);[A complex combination of hydrocarbons obtained as a fraction from distillation of an extract recovered by solvent extraction of light paraffinic top petroleum distillate treated with activated charcoal to remove traces of polar constituents and impurities. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C16 through C32.]	309-672-2	100684-02-4	match	not found
649-546-00-7	Extracts (petroleum), light paraffinic distillate solvent, clay-treated;Distillate aromatic extract (treated);[A complex combination of hydrocarbons obtained as a fraction from distillation of an extract recovered by solvent extraction of light paraffinic top petroleum distillates treated with bleaching earth to remove traces of polar constituents and impurities. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C16 through C32.]	309-673-8	100684-03-5	match	not found
649-547-00-2	Extracts (petroleum), light vacuum, gas oil solvent, carbon-treated;Distillate aromatic extract (treated);[A complex combination of hydrocarbons obtained by solvent extraction of light vacuum petroleum gas oil treated with activated charcoal for the removal of trace polar constituents and impurities. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C13 through C30.]	309-674-3	100684-04-6	match	not found
649-548-00-8	Extracts (petroleum), light vacuum gas oil solvent, clay-treated;Distillate aromatic extract (treated);[A complex combination of hydrocarbons obtained by solvent extraction of light vacuum petroleum gas oils treated with bleaching earth for removal of trace polar constituents and impurities. It consists predominantly of aromatic hydrocarbons having carbon numbers predominantly in the range of C13 through C30.]	309-675-9	100684-05-7	match	not found
649-549-00-3	Foots oil (petroleum);Foots oil;[A complex combination of hydrocarbons obtained as the oil fraction from a solvent deoiling or a wax sweating process. It consists predominantly of branched chain hydrocarbons having carbon numbers predominantly in the range of C20 through C50.]	265-171-8	64742-67-2	match found	match found
649-550-00-9	Foots oil (petroleum), hydrotreated;Foots oil	295-394-6	92045-12-0	match found	match found
650-012-00-0	erionite	-	12510-42-8	match not found	match not found
650-013-00-6	asbestos	-	77536-68-6	match not found	match not found
	asbestos	-	77536-67-5	match not found	match not found
	asbestos	-	77536-66-4	match not found	match not found
	asbestos	-	132207-32-0	match not found	match not found
	asbestos	-	12172-73-5	match not found	match not found

Index No.	Name	EC No.	CAS No.	Registered	Notified
	asbestos	-	12001-29-5	match not found	match found
	asbestos	-	12001-28-4	match not found	match not found

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