

Making information more accessible

Event on new registration process

04 November 2015, Brussels

Christel Musset
Director Registration
European Chemicals Agency

REACH in the global context



World Summit on Sustainable Development

“By 2020 chemicals are used and produced in ways that lead to the minimisation of significant adverse effects on human health and the environment”

Europe

- REACH and CLP (GHS implementation) establish the framework.
- The (non-confidential) information made publicly available contributes to the worldwide goal

“The public right to know”



A key principle in EU chemicals legislation

REACH

ECHA to make information on substances publicly available over the internet, free of charge

REACH Articles 77(2)(e) & 119

Biocidal products (BPR)

ECHA to make publicly and easily available, free of charge, information on active substances, biocidal products, and non-confidential parts of assessment reports

BPR Article 67

Classification, Labelling & Packaging (CLP)

ECHA to make publicly accessible the C&L inventory

CLP Article 42

Export & Import of Hazardous chemicals (PIC)

ECHA to make publicly available on its website the database on export and import of hazardous chemicals

PIC Article 6

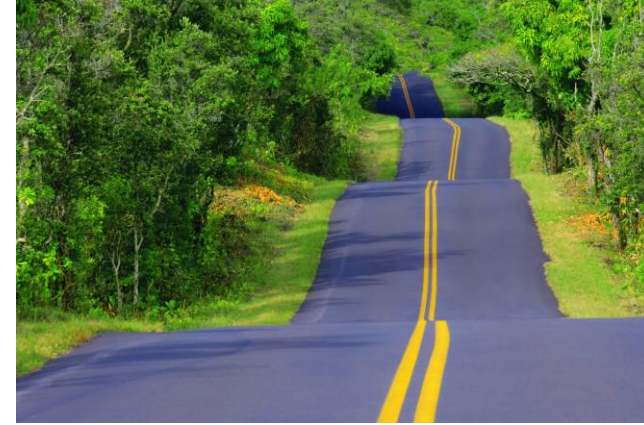
Our approach to dissemination

**Maximise the availability of
(non confidential) information
on ECHA website**

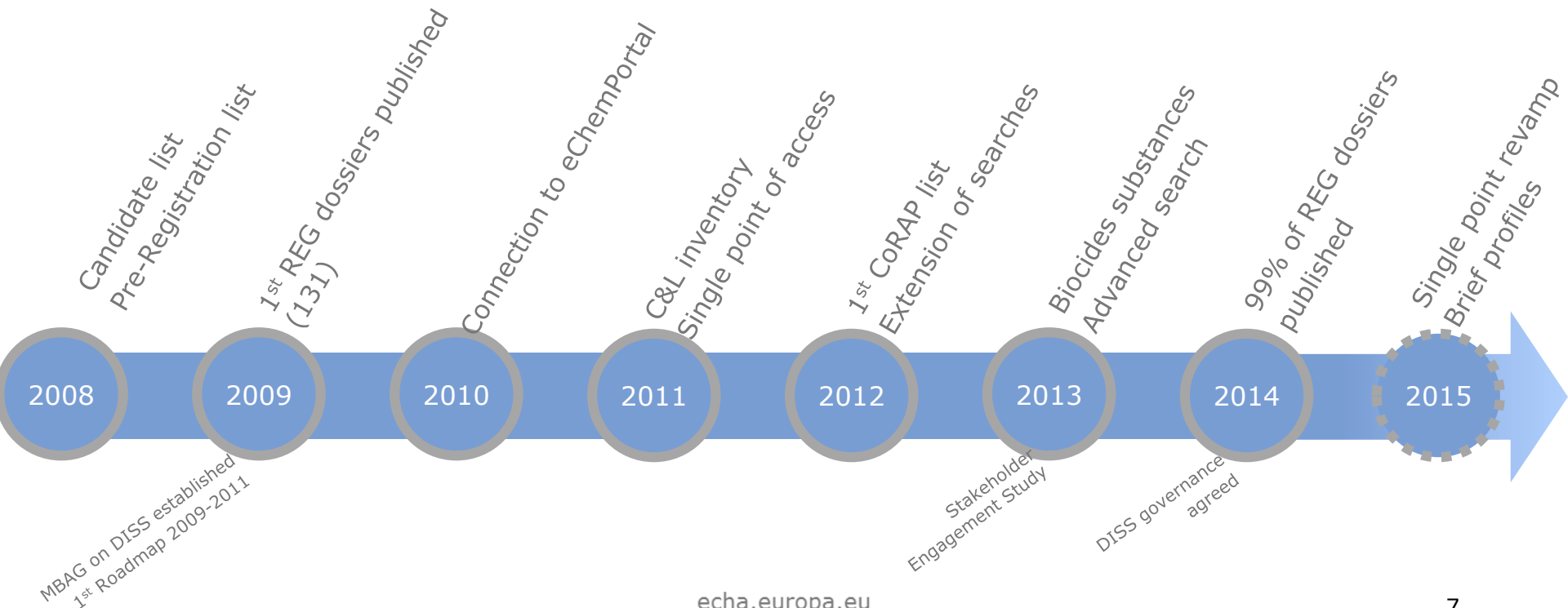
Be transparent on regulatory decisions

Be predictable for registrants





Our path since 2008



**Eight years later...
Where do we stand?**



Currently on our website...

163

Substances of Very High Concern

460

Risk management proposals

1 500

Dossiers for HPV chemicals checked for compliance

14 000

Substances registered under REACH

120 000

Substances classified with GHS

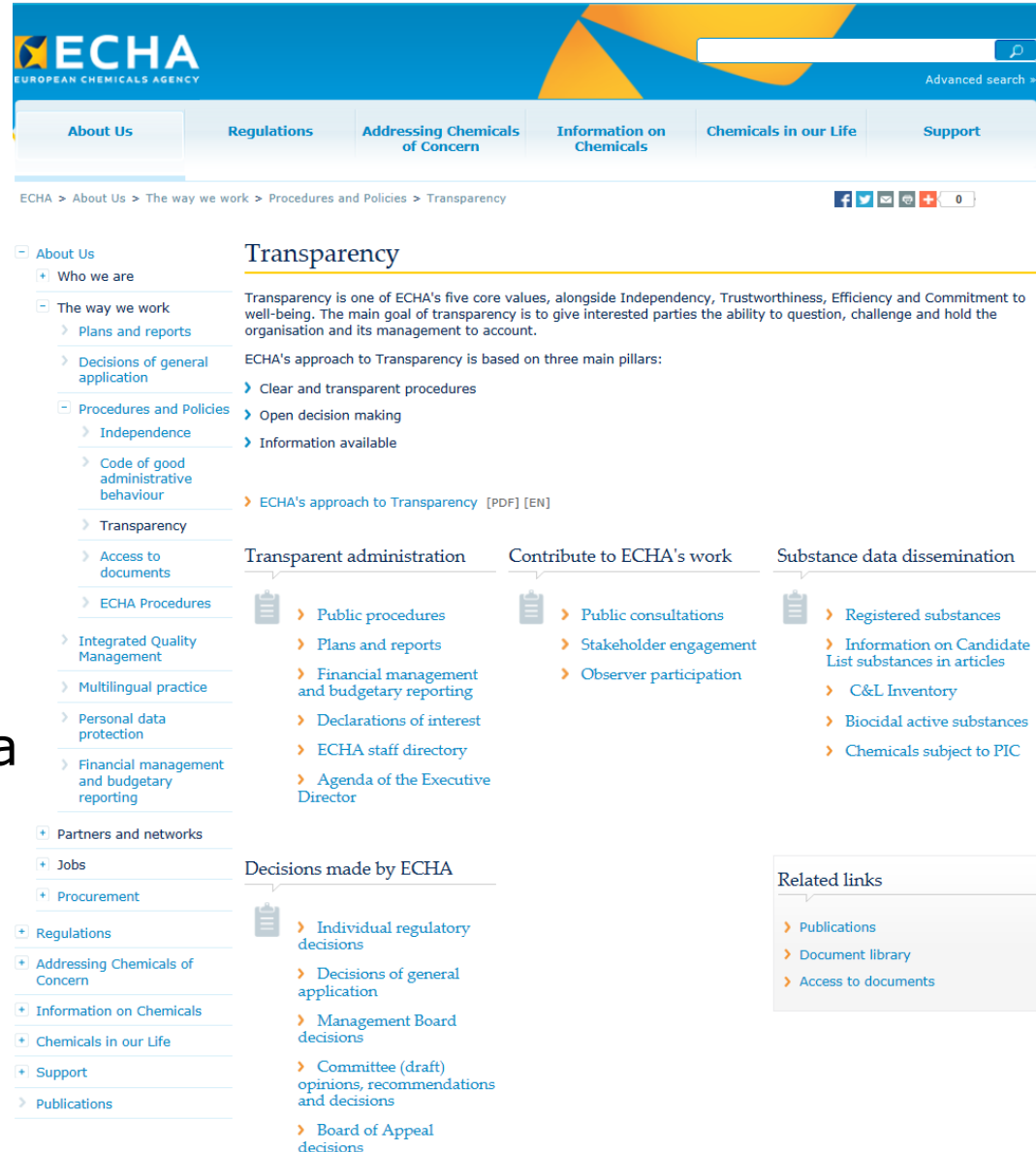
2 million

Study summaries on properties and effects of chemicals

And also...

- Registration statistics
- Substances in articles information
- Information on the regulatory processes: CoRAP, Candidate list, Authorisation, Restrictions
- Biocidal active substances and biocidal products
- Chemicals subject to PIC
- Risk assessments from previous legislations
- ...

Transparency



Transparency

Transparency is one of ECHA's five core values, alongside Independence, Trustworthiness, Efficiency and Commitment to well-being. The main goal of transparency is to give interested parties the ability to question, challenge and hold the organisation and its management to account.

ECHA's approach to Transparency is based on three main pillars:

- Clear and transparent procedures
- Open decision making
- Information available

ECHA's approach to Transparency [PDF] [EN]

Transparent administration

- Public procedures
- Plans and reports
- Financial management and budgetary reporting
- Declarations of interest
- ECHA staff directory
- Agenda of the Executive Director

Contribute to ECHA's work

- Public consultations
- Stakeholder engagement
- Observer participation

Substance data dissemination

- Registered substances
- Information on Candidate List substances in articles
- C&L Inventory
- Biocidal active substances
- Chemicals subject to PIC

Decisions made by ECHA

- Individual regulatory decisions
- Decisions of general application
- Management Board decisions
- Committee (draft) opinions, recommendations and decisions
- Board of Appeal decisions

Related links

- Publications
- Document library
- Access to documents

- Activities and regulatory processes explained clearly
- Open decision making
- Information available in a timely manner

Predictability

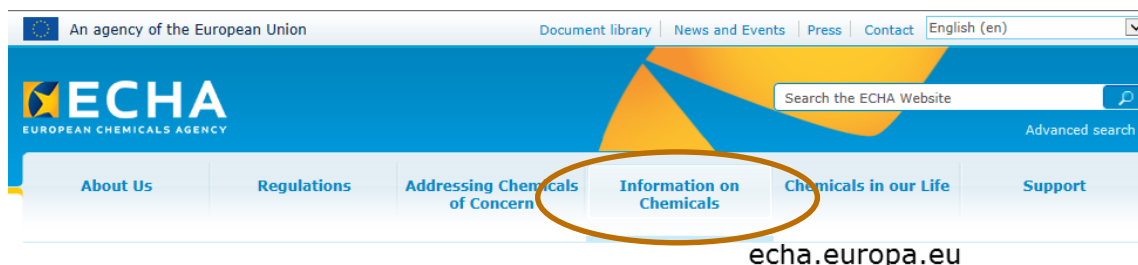
- The Public Activities Coordination Tool (PACT)
- Lists the substances for which a risk management option analysis (RMOA) or an hazard assessment is under development or has been completed

Name	EC Number	CAS Number	Authority	Activity	Latest update	Scope	Outcome	
copper sulphide	215-271-2	1317-40-4	ECHA	RMOA	08/10/2015	CMR	No need to initiate further regulatory risk management action at this time.	Details
2,2,6,6-tetrabromo-4,4-isopropylidenediphenol	201-236-9	79-94-7	Denmark	Hazard assessment	01/10/2015	ED	Substance evaluation under development	Details
2,6-di-tert-butyl-p-cresol	204-881-4	128-37-0	France	Hazard assessment	01/10/2015	ED	Under development	Details
4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene] diphenol	216-036-7	1478-61-1	Sweden	RMOA	01/10/2015	ED	Under development	Details

Has publicly available information increased?

- On ECHA web site and through OECD eChemPortal
- Available for scrutiny by other authorities worldwide: Canada and Australia have used the data for their own assessment of chemicals
- Source of information for industry, institutions, NGOs, general public worldwide

<http://echa.europa.eu/information-on-chemicals>



Coming soon...



New dissemination website

Tailored access to all information on chemicals contained in ECHA databases in **one single point of access** to

- Fulfil legal obligations
- Provide meaningful and relevant information on chemicals
- Increase the transparency
- Promote quality of data
- Promote the safe use of chemicals
- Support citizens to make informed decisions on the safe use of chemicals

Chromium (VI) trioxide

↓ Other names: [IUPAC names \[18\]](#) [Regulatory processes names \[3\]](#) [Trade names \[5\]](#) ↓ Groups:  

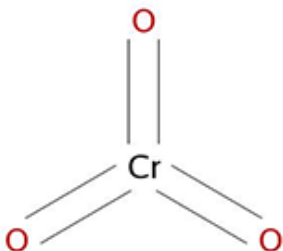


Substance identity

EC no: 215-607-8

CAS no: 1333-82-0

Mol. formula: CrO₃



Safety classification & labelling



Danger! According to the [Harmonised Classification and Labelling](#) approved by the European Union, this is fatal if inhaled, is very toxic to aquatic life with long lasting effects, causes damage to organs through prolonged or repeated exposure, is very toxic to aquatic life, may cause cancer, causes severe skin burns and eye damage, may cause genetic defects, is toxic if swallowed, is toxic in contact with skin, may cause fire or explosion (strong oxidiser), is suspected of damaging fertility, may cause allergy or asthma symptoms or breathing difficulties if inhaled and may cause an allergic skin reaction.

Additionally, the classification provided by companies to ECHA in [REACH registrations](#) identifies that this substance is fatal in contact with skin and is very toxic to aquatic life.

Critical properties



Regulatory actions

- Substance of very high concern (SVHC) and included in the [candidate list for authorisation](#).
- Substance of very high concern requiring authorisation before it is used ([Annex XIV of REACH](#)).

Precautions and safe use

- [Precautionary measures](#) suggested by manufactures and importers of this substance.
- [Guidance on the safe use](#) of the substance provided by manufactures and importers of this substance.

About this substance

This substance is manufactured and/or imported in the European Economic Area in 10,000 to 100,000 tonnes per year.

This substance is used in the following products: pH regulators and water treatment products, non-metal-surface treatment products, metal surface treatment products, laboratory chemicals and adsorbents. This substance has an industrial use resulting in manufacture of another substance (use of intermediates).

Release to the environment of this substance is likely to occur from industrial use: as an intermediate step in further manufacturing of another substance (use of intermediates), as processing aid, manufacturing of the substance, formulation of mixtures, formulation in materials, in processing aids at industrial sites and in the production of articles. ...

InfoCard

High-level information to concerned citizens


Understandable to the broadest audience possible

Information on hazards, classification, uses & exposure

Overview of main regulatory activities

Information in downloadable format

Chromium (VI) trioxide

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C M S

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INFOCARD - last updated: 18/05/2015

Navigation: Home | About | Register | Search | Help | Contact | 

Substance identity

EC number: 123-45-6789
CAS number: 123456789
Molecular weight: 123.456


Safety classification & labeling



Classification: [GHS07](#), [GHS09](#), [GHS05](#), [GHS08](#), [GHS09](#)

Labeling: [GHS07](#), [GHS09](#), [GHS05](#), [GHS08](#), [GHS09](#)

Physical properties



Regulatory status

REACH registration status: [GHS07](#), [GHS09](#), [GHS05](#), [GHS08](#), [GHS09](#)

Manufacture and use

[Manufacture](#): [GHS07](#), [GHS09](#), [GHS05](#), [GHS08](#), [GHS09](#)

[Use](#): [GHS07](#), [GHS09](#), [GHS05](#), [GHS08](#), [GHS09](#)

Want more details?



4,4'-isopropylidenediphenol

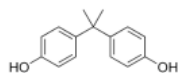
Short substance description. Lorem ipsum dolor sit amet consectetur adipiscing elit nullam et metus magna.

Substance description

Scientific properties

Brief Profile – Last updated: 08/12/2014 [Print](#)

Substance identity



EC Name: 215-607-8

IUPAC Name: 2,2-bis (4-hydroxyphenol) propane

[Other names](#)

Smiles: Oc1ccc(cc1)C(c2ccc(O)cc2)(C)C

InChI: 1S/C15H16O2c1-15(2,11-3-7-13(16)8-4-11)12-5-9-14(17)10-6-12/h3-10,16-17H,1-2H3

Type of substance: Mono constituent substance

Origin: Organic

Registered compositions: 7

Of which contain: 2 impurities relevant for classification

0 additives relevant for classification

EC Number: 80-05-7

CAS Number: C15H16O2

Index Number: 604-030-00-0

Molecular Formula: C15H16O2

Brief Profile

Substance identity

Safety classification & labelling

Critical properties

Regulatory actions

About this substance

Registrants/Suppliers

Other names

[Back to top](#)

Safety Classification & Labelling



Danger! According to the **Harmonised Classification and Labelling (ATP 1)** approved by the European Union this substance is fatal if inhaled, may cause genetic defects, causes damage to organs through prolonged or repeated exposure, may cause cancer, is very toxic to aquatic life with long lasting effects, is toxic in contact with skin, is toxic if swallowed, causes severe skin burns and eye damage, may cause fire or explosion (strong oxidiser), is suspected of damaging fertility or the unborn child, may cause an allergic skin reaction, and may cause allergy or asthma symptoms or breathing difficulties if inhaled.

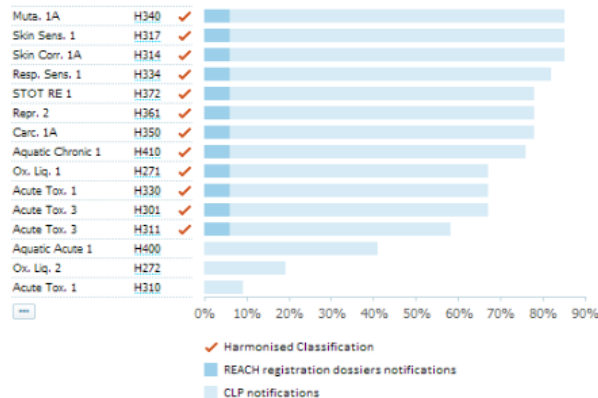


Additionally, the Classification provided by companies to ECHA in **CLP notifications** identifies this substance is very toxic to aquatic life, may intensify fire (oxidiser) and is fatal in contact with skin.



Lorem ipsum dolor sit amet.

Breakdown of all 2 605 C&Ls notifications submitted to ECHA



At least one notifier has indicated that an impurity or an additive present in the substance impacts the notified classification.

Brief Profile

Substance description

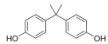
4,4'-isopropylidenediphenol

Short substance description: Lorem ipsum dolor sit amet consectetur adipiscing elit nullam et metus magna.

Substance description Scientific properties Brief Profile – Last updated: 08/12/2014 Print

Substance identity

EC Name: 215-607-8
IUPAC Name: 2,2-bis (4-hydroxyphenol) propane
Other names



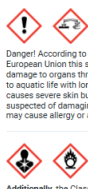
EC Number: 80-05-7
CAS Number: C15H16O2
Index Number: 604-030-00-0
Molecular Formula: C15H16O2

Smiles: Oc1ccc(cc1)C(c2ccc(O)cc2)C(c3ccc(O)cc3)
InChI: 1S/C15H16O2=1S(2,11-3-7-13(16)8-4-11)12-5-9-14(17)10-6-12/h3-10,16-17H,1-2H3

Type of substance: Mono constituent substance
Origin: Organic
Registered compositions: 7
Of which contain: 2 impurities relevant for classification
0 additives relevant for classification
Substance listed: EINECS

Substance identity
Safety classification & labelling
Critical properties
Regulatory actions
About this substance
Registrants/Suppliers
Other names
Back to top

Safety Classification & Labelling



Danger! According to the Harmonised Classification and Labelling (ATP 1) approved by the European Union this substance is fatal if inhaled, may cause genetic defects, causes damage to organs through prolonged or repeated exposure, may cause cancer, is very toxic to aquatic life with long lasting effects, is toxic in contact with skin, is toxic if swallowed, causes severe skin burns and eye damage, may cause fire or explosion (strong oxidiser), is suspected of damaging fertility or the unborn child, may cause an allergic skin reaction, and may cause allergy or asthma symptoms or breathing difficulties if inhaled.

Additionally, the Classification provided by companies to ECHA in CLP notifications identifies this substance is very toxic to aquatic life, may intensify fire (oxidiser) and is fatal in contact with skin.

Breakdown of all 2 605 C&Ls notifications submitted to ECHA

Classification	Count	Percentage
Muta. 1A	H340	~80%
Skin Sens. 1	H337	~75%
Skin Corr. 1A	H314	~70%
Resp. Sens. 1	H334	~65%
STOT RE 1	H372	~60%
Resp. 2	H366	~55%
Carc. 1A	H350	~50%
Aquatic Chronic 1	H410	~45%
Ox. Liq. 1	H272	~40%
Acute Tox. 1	H310	~35%
Acute Tox. 3	H301	~30%
Acute Tox. 3	H311	~25%
Aquatic Acute 1	H400	~20%
Ox. Liq. 2	H272	~15%
Acute Tox. 1	H310	~10%

Legend:
✓ Harmonised Classification
■ REACH registration dossiers notifications
■ CLP notifications

At least one notifier has indicated that an impurity or an additive present in the substance impacts the notified classification.

Extended information on substance identity

Overview of Classification and Labelling inventory

Information on manufactures and suppliers

Links to the source data

Brief Profile

Physical-chemical properties

Environmental fate and pathways

Ecotoxicological information (including PNEC)

Toxicological information (including DNEL)

Study records type overview

Information in downloadable format

Scientific properties

4,4'-isopropylidenediphenol

Short substance description. Lorem ipsum dolor sit amet consectetur adipiscing elit nullam et metus magna.

Substance description Scientific properties

Brief Profile – Last updated: 08/12/2014

Physical & Chemical Properties

This section provides physicochemical information compiled from all automatically processable data from REACH registration dossiers that is available to ECHA at the time of generation. The quality and correctness of the information remains the responsibility of the data submitter. The Agency thus cannot guarantee the correctness of the information displayed.

Physical & Chemical Properties

- Appearance / physical state / colour
- Melting / freezing point
- Boiling point
- Density
- Vapour pressure
- Partition coefficient
- Water solubility
- Solubility in organic solvents / fat solubility
- Surface tension
- Flash point
- Auto flammability
- Flammability
- Explosiveness
- Oxidising
- Oxidation reduction potential
- pH
- Dissociation constant
- Viscosity
- Environmental fate & pathways
- Ecotoxicological information
- Toxicological information

Appearance / physical state / colour

Study results

Type of Study provided

Summaries

Physical state at 20°C and 1013 hPa
Solid (78%), Liquid (22%)

Form
Crystalline (62%), Suspension (29%), Paste (9%)

Odour
Pungent (88%), Garlic-like (12%)

Substance type
Organic (88%), Natural substance (12%)

Studies with data
Key study 4
Supporting study 1
Weight of evidence 2 2
Other

Data waiving
no data waiver studies

Physical state at 20°C and 1013 hPa
Solid

Melting / freezing point

Study results

Type of Study provided

Summaries

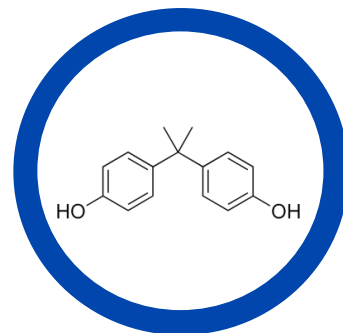
Melting / freezing point
100 - 110 °C @ 100 050 - 200 000 Pa (4)

Studies with data
Key study 1 1
Supporting study 3
Weight of evidence
Other

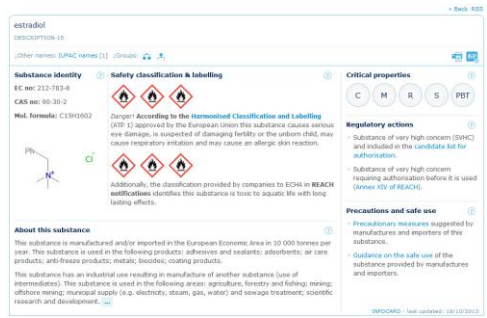
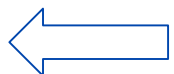
Data waiving
Not feasible 1
Sol. unjustified
Exposure cons.
Other

Melting / freezing point at 101 325 Pa
105 °C

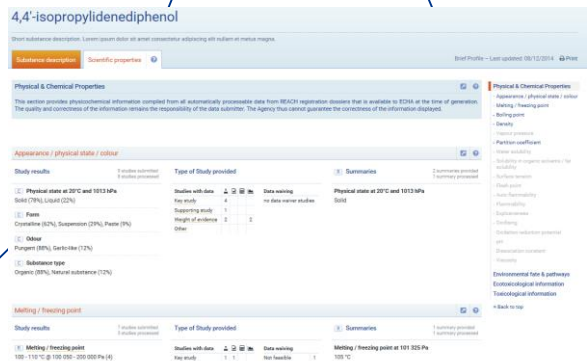
Tiered approach



Infocard

Brief Profile



Source Data



Pre-registration List



Registration Dossiers



CoRAP List



Authorisation List



Restriction List



Harmonised C&Ls



Approved Active Substances



PIC Annex I

Registration dossier

formaldehyde

Use of this information is subject to copyright laws and may require the permission of the owner of the information.

- Home page
- General Information
- Classification and Labelling
- Manufacture, Use & Exposure
- PBT assessment
- Physical and chemical properties

- Appearance/physical state/colour
 - Exp Key Appearance/physical state/colour.001
 - NS NS Appearance/physical state/colour.002
 - NS NS Appearance/physical state/colour.003
 - NS NS Appearance/physical state/colour.004
 - NS NS Appearance/physical state/colour.005
 - NS NS Appearance/physical state/colour.006
 - NS NS Appearance/physical state/colour.007
 - NS NS Appearance/physical state/colour.008
 - Other Key Appearance/physical state/colour.009
 - Other NS Appearance/physical state/colour.010
- Melting point/freezing point
- Boiling point
- Density
- Particle size distribution (Granulometry)
- Vapour pressure
- Partition coefficient
- Water solubility
- Solubility in organic solvents / fat solubility
- Surface tension
- Flash point
- Auto flammability
- Flammability
- Explosiveness
- Oxidising properties
- Stability in organic solvents and identity of relevant degradation products
- Storage stability and reactivity towards container material

Identification Registration data Administrative data

Identification

Substance identification

formaldehyde

EC Number 200-001-8
EC Name formaldehyde
CAS Number 50-00-0
Molecular formula CH2O
IUPAC Name formaldehyde



Type of substance

Composition mono constituent substance
Origin organic

Trade names

Formaldehyde solution
Formalin
ormalin, formaldehyde, oxide, methanal, oxymethylen
Formalith
Formaldehyd
Formaldehyde (BCI, BCI)
Formic aldehyde
Formol
Methanal
Methyl aldehyde
Methylene oxide
Dioxmethane
Dyromethylene
Formaldehyde, gas
Morbidol
Paraform
Methaldehyde
Sadeform
Formaldehyde

Total Tonnage Band

1,000,000+ tonnes per annum

REACH

Registered as Full
Submitted Joint Submission

Publication Dates

General information

Classification & Labelling & PBT assessment

Manufacture, use & exposure

Physical & Chemical properties

Environmental fate & pathways

Ecotoxicological information

Toxicological information

Guidance on safe use

Assessment reports

Reference substances

Categories

- Endpoint summary

Aquatic toxicity

- Endpoint summary
- Short-term toxicity to fish
- Long-term toxicity to fish
- Short-term toxicity to aquatic invertebrates
- Long-term toxicity to aquatic invertebrates

- Toxicity to aquatic algae and cyanobacteria

- Toxicity to aquatic plants other than algae

- Toxicity to microorganisms

- Toxicity to other aquatic organisms

- Sediment toxicity

Terrestrial toxicity

Benzene

EC number: 200-753-7 | CAS number: 71-44-3

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nullam et metus magna. Nam ultricies ipsum ligula, eget semper justo sodales et. Sed luctus ipsum in justo fringilla faucibus. Vestibulum ac mattis eros. Curabitur neque velit, ullamcorper vel porttitor ac, efficitur ac ipsum. Fusce ac ligula nec sem congue maximus.

General information

Classification & Labelling & PBT assessment

General information

Identification Compositions Registration data Administrative data

Identification

Long-term toxicity to aquatic invertebrate

Currently viewing: Endpoint study record 001

Administrative data Data source Materials and methods Results and discussions Summary and conclusions

Short confidentiality message. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut tempor erat sit amet neque malesuada, id rhoncus augue dapibus. Donec euismod lacinia dui, pulvinar finibus mi.

Administrative data

Purpose flag:	supporting study
	robust study summary
	used for classification
	used for MSDS
Data waiving:	study technically not feasible
Justification for data waiving:	Lorem ipsum dolor sit amet, consectetur adipiscing elit. Aliquam sed vestibulum nulla, sit amet pretium metus. Vivamus interdum lacinia mauris sed tempor. Phasellus aliquam cursus efficitur. Maecenas molestie placerat neque.
Study result type:	Lorem ipsum dolor sit amet, consectetur adipiscing elit.
Study period:	Lorem ipsum dolor sit amet, consectetur adipiscing elit.
Reliability:	3 (not reliable)
Rationale for reliability incl. deficiencies:	Lorem ipsum dolor sit amet, consectetur adipiscing elit. Aliquam sed vestibulum nulla, sit amet pretium metus. Vivamus interdum lacinia mauris sed tempor.

Data source

Reference

open all close all

+ Reference 1

First published: 02 Mar 2011

Last modified: 18 Feb 2015

Use of information by you

- Coming in the future
 - Data can be downloaded from the ECHA dissemination website
 - IUCLID 6 improved for better reporting and analysing the information: new dissemination opportunities
 - Feasibility study for a “EU navigator” - an overview of other EU applicable legislation and important service to companies, also from a cost perspective

Our vision...

**ECHA website to be the
one-stop-shop for information
on chemicals**

**Make the best use of the wealth
of data generated by REACH**



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Follow us on Facebook
[Facebook.com/EUECHA](https://www.facebook.com/EUECHA)