



Substance name:

1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich

EC number: 276-158-1

CAS number: 71888-89-6

**MEMBER STATE COMMITTEE
SUPPORT DOCUMENT FOR IDENTIFICATION OF**

**1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich
(DIHP)**

**AS A SUBSTANCE OF VERY HIGH CONCERN BECAUSE OF ITS
CMR PROPERTIES**

Adopted on 20 May 2011

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Abbreviations:

- PBT = Persistent, Bioaccumulative and Toxic
- vPvB = very Persistent and very Bioaccumulative
- CMR = Carcinogenic, Mutagenic or toxic for Reproduction

Substance Name: 1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP)

EC Number: 276-158-1

CAS number: 71888-89-6

- The substance is identified as a substance meeting the criteria of Article 57 (c) of Regulation (EC) 1907/2006 (REACH) owing to its classification as toxic for reproduction 1B¹ which corresponds to classifications as toxic for reproduction category 2².

Summary of how the substance meets the CMR (1A or 1B) criteria

Pursuant to Regulation (EC) No 1272/2008 as amended and adapted to technical and scientific progress by Regulation (EC) No 790/2009 as of 1 December 2010, 1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP) is listed as index number 607-483-00-2 and classified in Annex VI, part 3, Table 3.1 (the list of harmonised classification and labelling of hazardous substances) as toxic for reproduction, Repr. 1B (H360D: “May damage the unborn child”). The corresponding classification in Annex VI, part 3, Table 3.2 (the list of harmonised classification and labelling of hazardous substances from Annex I to Directive 67/548/EEC) of Regulation (EC) No 1272/2008 as amended and adapted to technical and scientific progress by Regulation (EC) No 790/2009 is toxic for reproduction, Repr. Cat. 2; R61 (“May cause harm to the unborn child”).

Therefore, this classification of the substance in Regulation (EC) No 1272/2008 as amended and adapted to technical and scientific progress by Regulation (EC) No 790/2009 shows that it meets the criteria for classification as toxic for reproduction in accordance with Article 57 (c) of REACH.

Registration dossiers submitted for the substance? No

¹ Classification in accordance with Regulation (EC) No 1272/2008 Annex VI, part 3, Table 3.1 List of harmonised classification and labelling of hazardous substances as amended and adapted to technical and scientific progress by Regulation (EC) No 790/2009.

² Classification in accordance with Regulation (EC) No 1272/2008, Annex VI, part 3, Table 3.2 List of harmonised classification and labelling of hazardous substances (from Annex I to Council Directive 67/548/EEC) as amended and adapted to technical and scientific progress by Regulation (EC) No 790/2009.

JUSTIFICATION

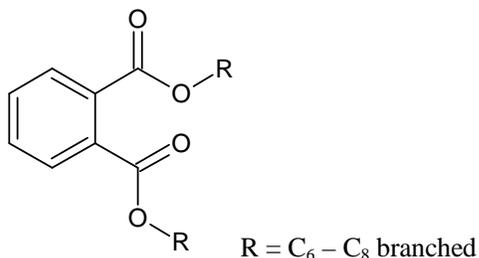
1 IDENTITY OF THE SUBSTANCE AND PHYSICAL AND CHEMICAL PROPERTIES

1.1 Name and other identifiers of the substance

Table 1: Substance identity

EC number:	276-158-1
EC name:	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich
CAS number (in the EC inventory):	71888-89-6
CAS number:	71888-89-6
CAS name:	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich
IUPAC name:	C _{6-8-(branched)} -Alkyl benzene-1,2-dicarboxylate
Index number in Annex VI of the CLP Regulation	607-483-00-2
Molecular formula:	Unspecified
Molecular weight range:	Unspecified
Synonyms:	C6-8-(branched)-Alkyl phthalate Diisoheptyl phthalate DIHP

Structural formula:



1.2 Composition of the substance

Name: C_{6-8-(branched)}-Alkyl benzene-1,2-dicarboxylate

Description: ---

Degree of purity: 99 – 100 %

Table 2: Constituents

Constituents	Typical concentration	Concentration range	Remarks
C ₆₋₈ -(branched)-Alkyl benzene-1,2-dicarboxylate EC number: 276-158-1		99 – 100 %	

Table 3: Impurities

Impurities	Typical concentration	Concentration range	Remarks
No information available			

Table 4: Additives

Additives	Typical concentration	Concentration range	Remarks
No information available			

1.3 Physico-chemical properties

No information available

2 HARMONISED CLASSIFICATION AND LABELLING

1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP) is listed by index number 607-483-00-2 in Annex VI, part 3 of Regulation (EC) No 1272/2008 as follows:

Table 5: Classification according to part 3 of Annex VI, Table 3.1 (list of harmonised classification and labelling of hazardous substances) of Regulation (EC) No 1272/2008

International Chemical Identification	EC No	CAS No	Classification		Labelling			Spec. Conc. Limits, M-factors	Notes
			Hazard Class and Category Code(s)	Hazard statement code(s)	Pictogram, Signal Word Code(s)	Hazard statement code(s)	Suppl. Hazard statement code(s)		
1,2-benzenedicarboxylic acid; di-C ₆₋₈ -branched alkylesters, C ₇ -rich	276-158-1	71888-89-6	Repr. 1B	H360D***	GHS08 Dgr	H360D***			

Table 6: Classification according to part 3 of Annex VI, Table 3.2 (list of harmonized classification and labelling of hazardous substances from Annex I of Council Directive 67/548/EEC) of Regulation (EC) No 1272/2008

INTERNATIONAL CHEMICAL IDENTIFICATION	EC NO	CAS NO	CLASSIFICATION	LABELLING	CONCENTRATION LIMITS	NOTES
1,2-benzenedicarboxylic acid; di-C ₆₋₈ -branched alkylesters, C ₇ -rich	276-158-1	71888-89-6	Repr. Cat. 2; R61	T R: 61 S: 53-45		

3 ENVIRONMENTAL FATE PROPERTIES

Not relevant for this dossier.

4 HUMAN HEALTH HAZARD ASSESSMENT

Not relevant for this dossier.

5 ENVIRONMENTAL HAZARD ASSESSMENT

Not relevant for this dossier.

6 CONCLUSIONS ON THE SVHC PROPERTIES

6.1 PBT, vPvB assessment

Not relevant for this dossier.

6.2 CMR assessment

1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP) is covered by index number 607-483-00-2 of Regulation (EC) No 1272/2008 in Annex VI, part 3, Table 3.1 (the list of harmonised classification and labelling of hazardous substances) as toxic for reproduction category 1B (H360d: “May damage the unborn child”). The corresponding classification in Annex VI, part 3, Table 3.2 (the list of harmonised and classification and labelling of hazardous substances from Annex I to Directive 67/548/EEC) of Regulation (EC) No 1272/2008 is toxic for reproduction category 2 (R61: “May cause harm to the unborn child”).

Therefore, this classification of the substance in Regulation (EC) No 1272/2008 as amended and adapted to technical and scientific progress by Regulation (EC) No 790/2009 shows that it meets the criteria for classification as toxic for reproduction in accordance with Article 57 (c) of REACH.

6.3 Substances of equivalent level of concern assessment.

Not relevant for the identification of the substance as SVHC in accordance with Article 57(c).