



# Common Rail Diesel Injector Cleaner

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

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Version: 1.5

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product form : Mixture  
Article number : 13205  
Product code : 13205

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

##### 1.2.1. Relevant identified uses

Industrial/Professional use spec : Consumer use  
Professional use  
Function or use category : Fuel additives

##### 1.2.2. Uses advised against

No additional information available

#### 1.3. Details of the supplier of the safety data sheet

BARDAHL NL - OCD NEDERLAND BV  
Maxwellstraat 41  
3316 GP Dordrecht - Nederland  
T 0031 78 651 2322 - F 0031 78 617 4848  
[rjionker@bardahl.nl](mailto:rjionker@bardahl.nl) - [www.bardahl.nl](http://www.bardahl.nl)

#### 1.4. Emergency telephone number

Emergency number : +31 (0) 6 2908 2010  
During office hours: 8.30 t/m 17:00 h

Country	Official advisory body	Address	Emergency number	Comment
	Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust	Avonley Road SE14 5ER London	0870 243 2241	
Greece	Poisons Information Centre Children's Hospital "Aglaia. Kyriakou"	11527 Athens	+30 10 779 3777	
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9 Dublin	+353 1 809 2566 '+353 1 809 2166 (public, 8am - 10pm, 7/7)	
Malta	Medicines & Poisons Info Office	Mater Dei Hospital MSD Msida	+356 2545 6504	

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Flammable liquids, Category 2 H225  
Skin corrosion/irritation, Category 2 H315  
Serious eye damage/eye irritation, Category 2 H319  
Specific target organ toxicity — Single exposure, Category 3, Narcosis H336  
Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation H335  
Specific target organ toxicity — Repeated exposure, Category 2 H373  
Aspiration hazard, Category 1 H304

Full text of H statements : see section 16

##### Adverse physicochemical, human health and environmental effects

No additional information available

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### 2.2. Label elements

#### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS02

GHS07

GHS08

Signal word (CLP) :

Danger

Hazardous ingredients :

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclicsm <2% aromatics; xylene; propan-2-ol, isopropyl alcohol, isopropanol; 4-methylpentan-2-ol, methyl isobutyl carbinol

Hazard statements (CLP) :

H225 - Highly flammable liquid and vapour  
H304 - May be fatal if swallowed and enters airways  
H315 - Causes skin irritation  
H319 - Causes serious eye irritation  
H335 - May cause respiratory irritation  
H336 - May cause drowsiness or dizziness  
H373 - May cause damage to organs through prolonged or repeated exposure

Precautionary statements (CLP) :

P501 - Dispose of contents/container in accordance with local regulations  
P405 - Store locked up  
P403+P235 - Store in a well-ventilated place. Keep cool  
P312 - Call a POISON CENTER, a doctor if you feel unwell  
P337+P313 - If eye irritation persists: Get medical advice/attention  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
P302+P352 - IF ON SKIN: Wash with plenty of water  
P331 - Do NOT induce vomiting  
P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER, a doctor  
P280 - Wear protective gloves, eye protection, face protection  
P271 - Use only outdoors or in a well-ventilated area  
P262 - Do not get in eyes, on skin, or on clothing  
P260 - Do not breathe vapours  
P233 - Keep container tightly closed  
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking  
P102 - Keep out of reach of children  
P101 - If medical advice is needed, have product container or label at hand

EUH-statements :

EUH066 - Repeated exposure may cause skin dryness or cracking

### 2.3. Other hazards

No additional information available

## SECTION 3: Composition/information on ingredients

### 3.1. Substance

Not applicable

### 3.2. Mixture

Regulation 648/2004 / EC concerning detergents

: aliphatic hydrocarbons  $\geq$  30%  
aromatic hydrocarbons 15-30%

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclicsm <2% aromatics	(EC no) 918-481-9 (REACH-no) 01-2119457273-39	50 - 100	Asp. Tox. 1, H304
xylene (Note C)	(CAS No) 1330-20-7 (EC no) 215-535-7 (EC index no) 601-022-00-9 (REACH-no) 01-2119488216-32	15 - 25	Flam. Liq. 3, H226 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 STOT RE 2, H373 Asp. Tox. 1, H304
propan-2-ol, isopropyl alcohol, isopropanol	(CAS No) 67-63-0 (EC no) 200-661-7 (EC index no) 603-117-00-0 (REACH-no) 01-2119457558-25	20 - 25	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336

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ethylbenzene	(CAS No) 100-41-4 (EC no) 202-849-4 (EC index no) 601-023-00-4 (REACH-no) 01-2119489370-35	< 5	Flam. Liq. 2, H225 Acute Tox. 4 (Inhalation), H332 STOT RE 2, H373 Asp. Tox. 1, H304
4-methylpentan-2-ol, methyl isobutyl carbinol	(CAS No) 108-11-2 (EC no) 203-551-7 (EC index no) 603-008-00-8 (REACH-no) 01-2119473979-13	< 5	Flam. Liq. 3, H226 Eye Irrit. 2, H319 STOT SE 3, H335
1,2,4-trimethylbenzene	(CAS No) 95-63-6 (EC no) 202-436-9 (EC index no) 601-043-00-3 (REACH-no) 01-2119472135-42	< 0.25	Flam. Liq. 3, H226 Acute Tox. 4 (Inhalation), H332 Eye Irrit. 2, H319 STOT SE 3, H335 Skin Irrit. 2, H315 Aquatic Chronic 2, H411
naphthalene	(CAS No) 91-20-3 (EC no) 202-049-5 (EC index no) 601-052-00-2	< 0.1	Carc. 2, H351 Acute Tox. 4 (Oral), H302 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
toluene	(CAS No) 108-88-3 (EC no) 203-625-9 (EC index no) 601-021-00-3 (REACH-no) 01-2119471310-51	< 0.05	Flam. Liq. 2, H225 Repr. 2, H361d Asp. Tox. 1, H304 STOT RE 2, H373 Skin Irrit. 2, H315 STOT SE 3, H336

### Specific concentration limits:

Name	Product identifier	Specific concentration limits
4-methylpentan-2-ol, methyl isobutyl carbinol	(CAS No) 108-11-2 (EC no) 203-551-7 (EC index no) 603-008-00-8 (REACH-no) 01-2119473979-13	(C >= 25) STOT SE 3, H335

Note C : Some organic substances may be marketed either in a specific isomeric form or as a mixture of several isomers. In this case the supplier must state on the label whether the substance is a specific isomer or a mixture of isomers.

Full text of H-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures after inhalation	: Allow breathing of fresh air. If breathing is irregular or stopped, administer artificial respiration.
First-aid measures after skin contact	: Wash skin thoroughly with mild soap and water.
First-aid measures after eye contact	: Rinse immediately with plenty of water. Seek medical advice.
First-aid measures after ingestion	: Do NOT induce vomiting. If swallowed seek medical advice immediately and show this container or label.

### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after inhalation	: May cause drowsiness or dizziness.
Symptoms/injuries after skin contact	: Causes skin irritation. Repeated exposure may cause skin dryness or cracking.
Symptoms/injuries after eye contact	: Causes serious eye damage.
Symptoms/injuries after ingestion	: May be fatal if swallowed and enters airways.

### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media	: Carbon dioxide. Water spray. Sand. Powder.
Unsuitable extinguishing media	: Do not use a heavy water stream.

### 5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire	: Incomplete combustion will generate poisonous carbon monoxide, carbon dioxide and other toxic gases.
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### 5.3. Advice for firefighters

Protection during firefighting	: Wear self-contained breathing apparatus, rubber boots and thick rubber gloves.
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## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Keep public away from danger area.
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#### 6.1.1. For non-emergency personnel

No additional information available

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### 6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.

### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Clean up any spills as soon as possible, using an absorbent material to collect it. Take up large spills with pump or vacuum.

### 6.4. Reference to other sections

No additional information available

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Additional hazards when processed : No smoking. Do not breathe gas, fumes, vapour or spray.

Precautions for safe handling : Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Remove/Take off immediately all contaminated clothing. Wear suitable protective clothing.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in dry, cool, well-ventilated area. Keep in original containers.

Maximum storage period : 5 year

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclicsm <2% aromatics		
France	VME (mg/m <sup>3</sup> )	1200 mg/m <sup>3</sup>
France	VME (ppm)	184 ppm
Netherlands	Grenswaarde TGG 8H (mg/m <sup>3</sup> )	5
Netherlands	Grenswaarde TGG 15MIN (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>
xylene (1330-20-7)		
EU	IOELV TWA (mg/m <sup>3</sup> )	435 mg/m <sup>3</sup>
EU	IOELV TWA (ppm)	100 ppm
EU	IOELV STEL (ppm)	150 ppm
Austria	MAK (mg/m <sup>3</sup> )	210 mg/m <sup>3</sup> (Long term value)
Austria	MAK (ppm)	50 ppm (Long term value)
Austria	MAK Short time value (mg/m <sup>3</sup> )	442 mg/m <sup>3</sup>
Austria	MAK Short time value (ppm)	100 ppm
France	VME (mg/m <sup>3</sup> )	221 mg/m <sup>3</sup>
France	VME (ppm)	50 ppm
France	VLE (mg/m <sup>3</sup> )	442 mg/m <sup>3</sup>
France	VLE (ppm)	100 ppm
Netherlands	Grenswaarde TGG 8H (mg/m <sup>3</sup> )	210 mg/m <sup>3</sup>
Netherlands	Grenswaarde TGG 8H (ppm)	50 ppm
Netherlands	Grenswaarde TGG 15MIN (mg/m <sup>3</sup> )	442 mg/m <sup>3</sup>
Netherlands	Grenswaarde TGG 15MIN (ppm)	100 ppm
propan-2-ol, isopropyl alcohol, isopropanol (67-63-0)		
EU	IOELV TWA (mg/m <sup>3</sup> )	983 mg/m <sup>3</sup>
EU	IOELV TWA (ppm)	400 ppm
EU	IOELV STEL (mg/m <sup>3</sup> )	1230 mg/m <sup>3</sup>
EU	IOELV STEL (ppm)	500 ppm
Estonia	OEL TWA (mg/m <sup>3</sup> )	650 mg/m <sup>3</sup>
Estonia	OEL TWA (ppm)	250 ppm
Netherlands	Grenswaarde TGG 8H (mg/m <sup>3</sup> )	650 mg/m <sup>3</sup>
Netherlands	Grenswaarde TGG 8H (ppm)	250 ppm
Netherlands	MAC C (mg/m <sup>3</sup> )	980 mg/m <sup>3</sup>
ethylbenzene (100-41-4)		
EU	IOELV TWA (mg/m <sup>3</sup> )	434 mg/m <sup>3</sup>
EU	IOELV TWA (ppm)	100 ppm

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ethylbenzene (100-41-4)		
EU	IOELV STEL (mg/m <sup>3</sup> )	543 mg/m <sup>3</sup>
EU	IOELV STEL (ppm)	125 ppm
Netherlands	Grenswaarde TGG 8H (mg/m <sup>3</sup> )	215 mg/m <sup>3</sup>
Netherlands	Grenswaarde TGG 8H (ppm)	50 ppm
1,2,4-trimethylbenzene (95-63-6)		
EU	IOELV TWA (mg/m <sup>3</sup> )	125 mg/m <sup>3</sup>
EU	IOELV TWA (ppm)	25 ppm
France	VME (mg/m <sup>3</sup> )	100 mg/m <sup>3</sup>
France	VME (ppm)	20 ppm
Netherlands	Grenswaarde TGG 8H (mg/m <sup>3</sup> )	100 mg/m <sup>3</sup>
Netherlands	Grenswaarde TGG 8H (ppm)	20 ppm
naphthalene (91-20-3)		
EU	IOELV TWA (mg/m <sup>3</sup> )	52 mg/m <sup>3</sup>
EU	IOELV TWA (ppm)	10 ppm
EU	IOELV STEL (mg/m <sup>3</sup> )	79 mg/m <sup>3</sup>
EU	IOELV STEL (ppm)	15 ppm
Austria	MAK (mg/m <sup>3</sup> )	50 mg/m <sup>3</sup>
Belgium	Limit value (mg/m <sup>3</sup> )	50 mg/m <sup>3</sup>
Belgium	Short time value (mg/m <sup>3</sup> )	53 mg/m <sup>3</sup>
Bulgaria	OEL TWA (mg/m <sup>3</sup> )	50 mg/m <sup>3</sup> 8h
Bulgaria	OEL STEL (mg/m <sup>3</sup> )	75 mg/m <sup>3</sup> 15 min
Denmark	Grænseværdie (kortvarig) (mg/m <sup>3</sup> )	50 mg/m <sup>3</sup>
Finland	HTP-arvo (8h) (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup>
Finland	HTP-arvo (15 min)	100 mg/m <sup>3</sup>
France	VME (mg/m <sup>3</sup> )	50 mg/m <sup>3</sup>
France	VME (ppm)	10 ppm
Germany	TRGS 900 Occupational exposure limit value (mg/m <sup>3</sup> )	50 mg/m <sup>3</sup>
Netherlands	Grenswaarde TGG 8H (mg/m <sup>3</sup> )	50 mg/m <sup>3</sup>
Netherlands	Grenswaarde TGG 15MIN (mg/m <sup>3</sup> )	80 mg/m <sup>3</sup>
United Kingdom	WEL TWA (mg/m <sup>3</sup> )	50 mg/m <sup>3</sup>
USA - ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>
USA - ACGIH	ACGIH STEL (mg/m <sup>3</sup> )	15 fibers/cm <sup>3</sup>

## 8.2. Exposure controls

Hand protection	: Wear suitable gloves tested to EN374. Nitrile rubber gloves. Penetration time of glove material: ≥ 480 min. Recommended thickness of the material: ≥ 0.6 mm
Eye protection	: Use eye protection to EN 166, designed to protect against liquid splashes
Skin and body protection	: Wear suitable protective clothing
Respiratory protection	: Suitable respiratory equipment

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Yellow.
Odour	: characteristic.
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 13 °C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available

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Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: 0.795 - 0.805
Solubility	: Insoluble in water.
Log Pow	: No data available
Viscosity, kinematic	: < 20 mm <sup>2</sup> /s
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No additional information available

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

None under normal conditions.

### 10.4. Conditions to avoid

Open flame. Sparks. Heat.

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

Carbon monoxide. Carbon dioxide. Hydrocarbon.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Not classified

#### Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclicsm <2% aromatics

LD50 oral rat	5000 mg/kg
LD50 dermal rat	> 5000 mg/kg
LC50 inhalation rat (mg/l)	> 4900 mg/m <sup>3</sup>

#### xylene (1330-20-7)

LD50 oral rat	4300 mg/kg
LD50 dermal rabbit	2000 mg/kg
LC50 inhalation rat (mg/l)	6350 mg/l/4h

#### propan-2-ol, isopropyl alcohol, isopropanol (67-63-0)

LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 5000 mg/kg
LC50 inhalation rat (mg/l)	> 20 mg/l/4h

#### ethylbenzene (100-41-4)

LD50 oral rat	3500 mg/kg
LD50 dermal rabbit	15415 mg/kg
LC50 inhalation rat (mg/l)	17.8 mg/l/4h
LC50 inhalation rat (ppm)	4000 ppm/4h

#### toluene (108-88-3)

LD50 oral rat	> 2000 mg/kg
LD50 dermal rabbit	12223 mg/kg
LC50 inhalation rat (mg/l)	> 20 mg/l/4h

Skin corrosion/irritation	: Causes skin irritation
Serious eye damage/irritation	: Causes serious eye damage
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified

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Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: May cause drowsiness or dizziness. May cause respiratory irritation
Specific target organ toxicity (repeated exposure)	: May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard	: May be fatal if swallowed and enters airways

### 13205

Viscosity, kinematic	< 20 mm <sup>2</sup> /s
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## SECTION 12: Ecological information

### 12.1. Toxicity

#### xylene (1330-20-7)

LC50 other aquatic organisms 1	8.9 - 16.4 mg/l (Pimephales promelas 96h)
EC50 Daphnia 1	3.2 - 9.5 mg/l (Daphnia magna) (48h)

#### propan-2-ol, isopropyl alcohol, isopropanol (67-63-0)

LC50 other aquatic organisms 1	9640 mg/l (Pimephales promelas)
EC50 Daphnia 1	> 9700 mg/l (24h)
EC50 other aquatic organisms 1	> 1000 mg/l (Algen 72h)

#### ethylbenzene (100-41-4)

LC50 fish 2	4.2 mg/l
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### 12.2. Persistence and degradability

#### xylene (1330-20-7)

Persistence and degradability	Readily biodegradable.
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#### ethylbenzene (100-41-4)

Persistence and degradability	Readily biodegradable.
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Biochemical oxygen demand (BOD)	1.44 g O <sub>2</sub> /g substance
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Chemical oxygen demand (COD)	2.1 g O <sub>2</sub> /g substance
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ThOD	3.17 g O <sub>2</sub> /g substance
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BOD (% of ThOD)	45.4 % ThOD
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#### toluene (108-88-3)

Persistence and degradability	Readily biodegradable.
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Biochemical oxygen demand (BOD)	2.15 g O <sub>2</sub> /g substance
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Chemical oxygen demand (COD)	2.52 g O <sub>2</sub> /g substance
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ThOD	3.13 g O <sub>2</sub> /g substance
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BOD (% of ThOD)	0.69 % ThOD
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#### naphthalene (91-20-3)

Persistence and degradability	Inherently biodegradable.
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### 12.3. Bioaccumulative potential

#### xylene (1330-20-7)

BCF fish 2	7 - 26
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Bioconcentration factor (BCF REACH)	< 500
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Log Pow	3.2
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#### ethylbenzene (100-41-4)

BCF fish 1	1
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BCF fish 2	15 - 79
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BCF other aquatic organisms 1	4.68
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Bioconcentration factor (BCF REACH)	< 500
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Log Pow	3.15
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#### toluene (108-88-3)

BCF fish 2	90
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Log Pow	2.73
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### 12.4. Mobility in soil

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<b>xylene (1330-20-7)</b>	
Ecology - soil	May be harmful to plant growth, blooming and fruit formation.
<b>ethylbenzene (100-41-4)</b>	
Surface tension	0.029 N/m
Log Koc	PCKOCWIN v1.66; 2.71; Calculated value; Koc; PCKOCWIN v1.66; 517.8; Calculated value
<b>toluene (108-88-3)</b>	
Surface tension	0.03 N/m (20°C)

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste disposal recommendations : Do not empty into drains. Prevent entry to sewers and public waters. Dispose in a safe manner in accordance with local/national regulations.

## SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

### 14.1. UN number

UN-No. (ADR) : 1993  
UN-No. (IMDG) : 1993  
UN-No. (IATA) : 1993  
UN-No. (ADN) : 1993  
UN-No. (RID) : 1993

### 14.2. UN proper shipping name

Proper Shipping Name (ADR) : FLAMMABLE LIQUID, N.O.S.  
Proper Shipping Name (IMDG) : FLAMMABLE LIQUID, N.O.S.  
Proper Shipping Name (IATA) : Flammable liquid, n.o.s.  
Proper Shipping Name (ADN) : FLAMMABLE LIQUID, N.O.S.  
Proper Shipping Name (RID) : FLAMMABLE LIQUID, N.O.S.  
Transport document description (ADR) : UN 1993 FLAMMABLE LIQUID, N.O.S., 3, II, (D/E)  
Transport document description (IMDG) : UN 1993 FLAMMABLE LIQUID, N.O.S., 3, II  
Transport document description (IATA) : UN 1993 Flammable liquid, n.o.s., 3, II  
Transport document description (ADN) : UN 1993 FLAMMABLE LIQUID, N.O.S., 3, II  
Transport document description (RID) : UN 1993 FLAMMABLE LIQUID, N.O.S., 3, II

### 14.3. Transport hazard class(es)

#### ADR

Transport hazard class(es) (ADR) : 3  
Danger labels (ADR) : 3



#### IMDG

Transport hazard class(es) (IMDG) : 3  
Danger labels (IMDG) : 3



#### IATA

Transport hazard class(es) (IATA) : 3



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Hazard labels (IATA) : 3



### ADN

Transport hazard class(es) (ADN) : 3

Danger labels (ADN) : 3



### RID

Transport hazard class(es) (RID) : 3

Danger labels (RID) : 3



#### 14.4. Packing group

Packing group (ADR) : II

Packing group (IMDG) : II

Packing group (IATA) : II

Packing group (ADN) : II

Packing group (RID) : II

#### 14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : Clean up even minor leaks or spills if possible without unnecessary risk

#### 14.6. Special precautions for user

Emergency action in case of accident: : The driver shall not attempt to deal with any fire of the load, NOTIFY POLICE AND FIRE BRIGADE IMMEDIATELY, Keep public away from danger area, Stop the engine, No open flames. No smoking, Mark roads and warns other road users

#### - Overland transport

Classification code (ADR) : F1

Special provisions (ADR) : 274, 601, 640D

Limited quantities (ADR) : 1I

Excepted quantities (ADR) : E2

Packing instructions (ADR) : P001, IBC02, R001

Mixed packing provisions (ADR) : MP19

Portable tank and bulk container instructions (ADR) : T7

Portable tank and bulk container special provisions (ADR) : TP1, TP8, TP28

Tank code (ADR) : LGBF

Vehicle for tank carriage : FL

Transport category (ADR) : 2

Special provisions for carriage - Operation (ADR) : S2, S20

Hazard identification number (Kemler No.) : 33

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Orange plates

:



Tunnel restriction code (ADR)

: D/E

EAC code

: •3YE

### - Transport by sea

Special provisions (IMDG)

: 274

Limited quantities (IMDG)

: 1 L

Excepted quantities (IMDG)

: E2

Packing instructions (IMDG)

: P001

IBC packing instructions (IMDG)

: IBC02

Tank instructions (IMDG)

: T7

Tank special provisions (IMDG)

: TP1, TP8, TP28

EmS-No. (Fire)

: F-E

EmS-No. (Spillage)

: S-E

Stowage category (IMDG)

: B

### - Air transport

PCA Excepted quantities (IATA)

: E2

PCA Limited quantities (IATA)

: Y341

PCA limited quantity max net quantity (IATA)

: 1L

PCA packing instructions (IATA)

: 353

PCA max net quantity (IATA)

: 5L

CAO packing instructions (IATA)

: 364

CAO max net quantity (IATA)

: 60L

Special provisions (IATA)

: A3

ERG code (IATA)

: 3H

### - Inland waterway transport

Classification code (ADN)

: F1

Special provisions (ADN)

: 274, 61, 64D

Limited quantities (ADN)

: 1 L

Excepted quantities (ADN)

: E2

Carriage permitted (ADN)

: T

Equipment required (ADN)

: PP, EX, A

Ventilation (ADN)

: VE01

Number of blue cones/lights (ADN)

: 1

### - Rail transport

Classification code (RID)

: F1

Special provisions (RID)

: 274, 601, 640D

Limited quantities (RID)

: 1L

Excepted quantities (RID)

: E2

Packing instructions (RID)

: P001, IBC02, R001

Mixed packing provisions (RID)

: MP19

Portable tank and bulk container instructions (RID)

: T7

Portable tank and bulk container special provisions (RID)

: TP1, TP8, TP28

Tank codes for RID tanks (RID)

: LGBF

Transport category (RID)

: 2

Colis express (express parcels) (RID)

: CE7

Hazard identification number (RID)

: 33

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

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### SECTION 15: Regulatory information

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

##### 15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

##### 15.1.2. National regulations

###### France

Occupational diseases : RG 84 - Affections engendrées par les solvants organiques liquides à usage professionnel  
RG 4 BIS - Affections gastro-intestinales provoquées par le benzène, le toluène, les xylènes et tous les produits en renfermant

###### Germany

VwVwS Annex reference : Water hazard class (WGK) 3, severe hazard to waters (Classification according to VwVwS, Annex 4)

12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

###### Netherlands

SZW-lijst van kankerverwekkende stoffen : None of the components are listed

SZW-lijst van mutagene stoffen : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : xylene, toluene are listed

###### Denmark

Class for fire hazard : Class I-1

Store unit : 1 liter

Classification remarks : F <Flam. Liq. 2>; Emergency management guidelines for the storage of flammable liquids must be followed

Recommendations Danish Regulation : Young people below the age of 18 years are not allowed to use the product  
Pregnant/breastfeeding women working with the product must not be in direct contact with the product

#### 15.2. Chemical safety assessment

No additional information available

### SECTION 16: Other information

Indication of changes:

	Skin corrosion/irritation - comment	Modified	
	Serious eye damage/irritation - comment	Modified	
	Specific target organ toxicity (single exposure) - comment	Modified	
	Aspiration hazard - comment	Modified	
	SDS EU format	Modified	
2.1	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Modified	
2.1	Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]	Modified	
2.2	Hazard statements (CLP)	Modified	
2.2	Precautionary statements (CLP)	Modified	

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2.2	S-phrases	Modified	
2.2	Hazard symbols	Modified	
2.2	R-phrases	Modified	
3	Composition/information on ingredients	Modified	
8.2	Hand protection	Modified	
15.1	Occupational diseases	Modified	

### Abbreviations and acronyms:

Abbreviations and acronyms: RID: Regulations Concerning the International Transport of Dangerous Goods by Rail ICAO: International Civil Aviation Organization ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road IMDG: International Maritime Code for Dangerous Goods IATA: International Air Transport Association GHS: Globally Harmonized System of Classification and labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) VOC: Volatile Organic Compounds (USA, EU) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent
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### Full text of H- and EUH-statements:

Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Asp. Tox. 1	Aspiration hazard, Category 1
Carc. 2	Carcinogenicity, Category 2
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
Repr. 2	Reproductive toxicity, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT RE 2	Specific target organ toxicity — Repeated exposure, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis
H225	Highly flammable liquid and vapour
H226	Flammable liquid and vapour
H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways
H312	Harmful in contact with skin
H315	Causes skin irritation
H319	Causes serious eye irritation
H332	Harmful if inhaled
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness
H351	Suspected of causing cancer
H361d	Suspected of damaging the unborn child
H373	May cause damage to organs through prolonged or repeated exposure
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H411	Toxic to aquatic life with long lasting effects
EUH066	Repeated exposure may cause skin dryness or cracking

### SDS EU (REACH Annex II)

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product*