



OCTANE BOOSTER BARD AHL

Safety Data Sheet

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

Reference number: 2302B

Issue date: 21-10-16 Revision date: 05-10-20 Supersedes version of: 31-08-18 Version: 2.2

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

1.1. Product identifier

Product form : Mixture
Product name : OCTANE BOOSTER BARD AHL
Product code : 2302B # 732230BR6

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

1.2.1. Relevant identified uses

Intended for general public
Main use category : Consumer 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

Distributor

SADAPS BARD AHL Additives & Lubricants
ZI TOURNAI OUEST 2 - RUE DU MONT DES CARLIERS, 3
7522 TOURNAI - BELGIQUE
T +32 (0).69.59.03.60 - F +32 (0).69.59.03.61
msds@bardahlfrance.com - www.bardahl.fr

Supplier

SADAPS BARD AHL Additives & Lubricants
ZI TOURNAI OUEST 2 - RUE DU MONT DES CARLIERS, 3
7522 TOURNAI - BELGIQUE
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msds@bardahlfrance.com - www.bardahl.fr

1.4. Emergency telephone number

Emergency number : + 32 (0)70.245.245 / +33 (0)1.45.42.59.59

Country	Organisation/Company	Address	Emergency number	Comment
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9 Dublin	+353 1 809 2566 (Healthcare professionals- 24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)	
Malta	Medicines & Poisons Info Office	Mater Dei Hospital MSD Msida	+356 2545 6504	
Saudi Arabia	Poison Control Center-Riyadh	General Directorate of Health Affairs Medial Province	+966 112324180 +966 112324189	
United Arab Emirates	Health Authority – Abu Dhabi (HAAD) Poison & Drug Information Center (PDIC)	P.O. Box 5674 Abu Dhabi	+ 800-424	
United Kingdom	Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust	Avonley Road SE14 5ER London	+44 20 7188 7188	

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Flammable liquids, Category 3
Acute toxicity (inhalation:vapour) Not classified

H226

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Aspiration hazard, Category 1 H304
Hazardous to the aquatic environment — Chronic Hazard, Category 3 H412
Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

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

Hazard pictograms (CLP)



GHS02

GHS08

Signal word (CLP)

: Danger

Contains

: Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics

Hazard statements (CLP)

: H226 - Flammable liquid and vapour.

H304 - May be fatal if swallowed and enters airways.

H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements (CLP)

: P101 - If medical advice is needed, have product container or label at hand.

P102 - Keep out of reach of children.

P210 - Keep away from heat, hot surfaces, sparks, open flames. — No smoking.

P262 - Do not get in eyes, on skin, or on clothing.

P273 - Avoid release to the environment.

P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

P331 - Do NOT induce vomiting.

P403+P235 - Store in a well-ventilated place. Keep cool.

P405 - Store locked up.

P501 - Dispose of contents/container to a hazardous or special waste collection point.

EUH-statements

: EUH066 - Repeated exposure may cause skin dryness or cracking.

Child-resistant fastening

: Applicable

Tactile warning

: Applicable

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics	(EC-No.) 918-481-9 (REACH-no) 01-2119457273-39	80-100	Asp. Tox. 1, H304
2-ethylhexan-1-ol	(CAS-No.) 104-76-7 (EC-No.) 203-234-3 (REACH-no) 01-2119487289-20	1-10	Acute Tox. 4 (Inhalation:vapour), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335
Solvent naphtha (petroleum), heavy arom.; Kerosine - unspecified	(CAS-No.) 64742-94-5 (EC-No.) 265-198-5 (EC Index-No.) 649-424-00-3	< 3	STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
Polyolefin alkyl phenol alkyl amine	(CAS-No.) Confidential	< 3	Skin Irrit. 2, H315

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Polyether Polyol		< 3	Aquatic Chronic 3, H412
Tricarbonyl(methylcyclopentadienyl)manganese	(CAS-No.) 12108-13-3 (EC-No.) 235-166-5 (REACH-no) 01-2119495971-23	< 1	Acute Tox. 3 (Oral), H301 Acute Tox. 2 (Dermal), H310 Acute Tox. 1 (Inhalation:vapour), H330 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
naphthalene	(CAS-No.) 91-20-3 (EC-No.) 202-049-5 (EC Index-No.) 601-052-00-2	< 0.5	Acute Tox. 4 (Oral), H302 Carc. 2, H351 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: Never give anything by mouth to an unconscious person. If medical advice is needed, have product container or label at hand.
First-aid measures after inhalation	: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
First-aid measures after skin contact	: Remove contaminated clothes. Wash skin with plenty of water. Wash contaminated clothing before reuse.
First-aid measures after eye contact	: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
First-aid measures after ingestion	: Do NOT induce vomiting. Immediately call a POISON CENTER/doctor.

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

Symptoms/effects after skin contact	: Repeated exposure may cause skin dryness or cracking.
Symptoms/effects 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. Dry powder. Foam.
Unsuitable extinguishing media	: Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Fire hazard	: Flammable liquid and vapour.
Hazardous decomposition products in case of fire	: Incomplete combustion releases dangerous carbon monoxide, carbon dioxide and other toxic gases.

5.3. Advice for firefighters

Firefighting instructions	: Exercise caution when fighting any chemical fire.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.
Other information	: Prevent liquid from entering sewers, watercourses, underground or low areas.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Evacuate area. Eliminate every possible source of ignition. Ensure adequate ventilation, especially in confined areas. Keep public away from danger area. Equip cleanup crew with proper protection.
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6.1.1. For non-emergency personnel

No additional information available

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

Dike for recovery or absorb with appropriate material. Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

For containment : Recover the product with absorbent material.
Methods for cleaning up : Clean up any spills as soon as possible, using an absorbent material to collect it.

6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For disposal of solid materials or residues refer to section 13 : "Disposal considerations".

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Do not eat, drink or smoke when using this product.
Hygiene measures : Wash contaminated clothing before reuse. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Provide local exhaust or general room ventilation.
Storage conditions : Store in a closed container. Keep out of frost.
Heat and ignition sources : Keep away from naked flames/heat. Keep away from ignition sources.
Storage area : Store in a dry place. Store in a well-ventilated place.
Special rules on packaging : Store in original container.

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, cyclics, <2% aromatics	
France - Occupational Exposure Limits	
VME [mg/m ³]	1200 mg/m ³
VME [ppm]	184 ppm
Norway - Occupational Exposure Limits	
Grønseverdier (AN) (mg/m ³)	275 mg/m ³
Grønseverdier (AN) (ppm)	50 ppm

2-ethylhexan-1-ol (104-76-7)

EU - Occupational Exposure Limits	
Local name	2-ethylhexan-1-ol
IOELV TWA (mg/m ³)	5,4 mg/m ³
IOELV TWA (ppm)	1 ppm
Regulatory reference	COMMISSION DIRECTIVE (EU) 2017/164

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2-ethylhexan-1-ol (104-76-7)	
Austria - Occupational Exposure Limits	
MAK Daily average value (mg/m ³)	5,4 mg/m ³
MAK Daily average value (ppm)	1 ppm
MAK Short time value [mg/m ³]	10,8 mg/m ³
MAK Short time value [ppm]	2 ppm
Belgium - Occupational Exposure Limits	
Limit value [mg/m ³]	5,4 mg/m ³
Limit value [ppm]	1 ppm
Denmark - Occupational Exposure Limits	
Grænseværdi (8 timer) (mg/m ³)	5,4 mg/m ³
Grænseværdi (8 timer) (ppm)	1
Grænseværdi (STEL) (mg/m ³)	10,8 mg/m ³
Grænseværdi (STEL) (ppm)	2 ppm
Finland - Occupational Exposure Limits	
HTP-arvo (8h) (mg/m ³)	5,4 mg/m ³
HTP-arvo (8h) (ppm)	1 ppm
France - Occupational Exposure Limits	
VME [mg/m ³]	5,4 mg/m ³
VME [ppm]	1 ppm
Germany - Occupational Exposure Limits (TRGS 900)	
Occupational exposure limit value (mg/m ³)	54 mg/m ³
Occupational exposure limit value (ppm)	10 ppm
Ireland - Occupational Exposure Limits	
OEL (8 hours ref) (mg/m ³)	5,4 mg/m ³
OEL (8 hours ref) (ppm)	1 ppm
Latvia - Occupational Exposure Limits	
OEL TWA (mg/m ³)	5,4 mg/m ³
OEL TWA (ppm)	1 ppm
Poland - Occupational Exposure Limits	
NDS (mg/m ³)	5,4 mg/m ³
NDSP (mg/m ³)	10,8 mg/m ³
Romania - Occupational Exposure Limits	
OEL TWA (mg/m ³)	5,4 mg/m ³
OEL TWA (ppm)	1 ppm
Spain - Occupational Exposure Limits	
VLA-ED (mg/m ³)	5,4 mg/m ³
VLA-ED (ppm)	1 ppm
VLA-EC (mg/m ³)	110 mg/m ³
VLA-EC (ppm)	20 ppm
Sweden - Occupational Exposure Limits	
nivågränsvärde (NVG) (mg/m ³)	5,4 mg/m ³

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2-ethylhexan-1-ol (104-76-7)	
nivågränsvärde (NVG) (ppm)	1 ppm
United Kingdom - Occupational Exposure Limits	
WEL TWA (mg/m ³)	5,4 mg/m ³
Switzerland - Occupational Exposure Limits	
MAK (mg/m ³)	5,4 mg/m ³
MAK (ppm)	1 ppm
KZGW (mg/m ³)	10,8 mg/m ³
KZGW (ppm)	2 ppm

Tricarbonyl(methylcyclopentadienyl)manganese (12108-13-3)	
EU - Occupational Exposure Limits	
IOELV TWA (mg/m ³)	0,2 mg/m ³
IOELV STEL (mg/m ³)	0,6 mg/m ³
Austria - Occupational Exposure Limits	
MAK Daily average value (mg/m ³)	0,2 mg/m ³
MAK Short time value [mg/m ³]	0,4 mg/m ³
Belgium - Occupational Exposure Limits	
Limit value [mg/m ³]	0,2 mg/m ³
Bulgaria - Occupational Exposure Limits	
OEL TWA (mg/m ³)	0,1 mg/m ³
Croatia - Occupational Exposure Limits	
GVI (granična vrijednost izloženosti) (mg/m ³)	0,2 mg/m ³
Denmark - Occupational Exposure Limits	
Grænseværdi (8 timer) (mg/m ³)	0,2 mg/m ³
Estonia - Occupational Exposure Limits	
OEL TWA (mg/m ³)	0,2 mg/m ³
France - Occupational Exposure Limits	
VME [mg/m ³]	0,2 mg/m ³
Germany - Occupational Exposure Limits (TRGS 900)	
Occupational exposure limit value (mg/m ³)	0,2 mg/m ³
Greece - Occupational Exposure Limits	
OEL TWA (mg/m ³)	0,2 mg/m ³
OEL STEL (mg/m ³)	0,6 mg/m ³
Ireland - Occupational Exposure Limits	
OEL (8 hours ref) (mg/m ³)	0,2 mg/m ³
OEL (15 min ref) (mg/m ³)	0,6 mg/m ³
Netherlands - Occupational Exposure Limits	
Grenswaarde TGG 8H (mg/m ³)	0,2 mg/m ³
Romania - Occupational Exposure Limits	
OEL TWA (mg/m ³)	0,2 mg/m ³

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Tricarbonyl(methylcyclopentadienyl)manganese (12108-13-3)	
Slovenia - Occupational Exposure Limits	
OEL TWA (mg/m ³)	0,2 mg/m ³
Spain - Occupational Exposure Limits	
VLA-ED (mg/m ³)	0,2 mg/m ³
Sweden - Occupational Exposure Limits	
nivågränsvärde (NVG) (mg/m ³)	0,2 mg/m ³
United Kingdom - Occupational Exposure Limits	
WEL TWA (mg/m ³)	0,2 mg/m ³
Norway - Occupational Exposure Limits	
Grønseverdier (AN) (mg/m ³)	0,2 mg/m ³
Switzerland - Occupational Exposure Limits	
MAK (mg/m ³)	0,2 mg/m ³
USA - ACGIH - Occupational Exposure Limits	
ACGIH TWA (mg/m ³)	0,2 mg/m ³
naphthalene (91-20-3)	
EU - Occupational Exposure Limits	
IOELV TWA (mg/m ³)	50 mg/m ³
IOELV TWA (ppm)	10 ppm
Austria - Occupational Exposure Limits	
MAK Daily average value (mg/m ³)	50 mg/m ³
MAK Daily average value (ppm)	10 ppm
Belgium - Occupational Exposure Limits	
Limit value [mg/m ³]	53 mg/m ³
Limit value [ppm]	10 ppm
Short time value [mg/m ³]	80 mg/m ³
Short time value [ppm]	15 ppm
Denmark - Occupational Exposure Limits	
Grænseværdi (8 timer) (mg/m ³)	50 mg/m ³
Grænseværdi (8 timer) (ppm)	10 ppm
Grænseværdi (STEL) (mg/m ³)	100 mg/m ³
Grænseværdi (STEL) (ppm)	20 ppm
Finland - Occupational Exposure Limits	
HTP-arvo (8h) (mg/m ³)	5 mg/m ³
HTP-arvo (8h) (ppm)	1 ppm
HTP-arvo (15 min)	10 mg/m ³
HTP-arvo (15 min) (ppm)	2 ppm
France - Occupational Exposure Limits	
VME [mg/m ³]	50 mg/m ³
VME [ppm]	10 ppm

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naphthalene (91-20-3)	
Germany - Occupational Exposure Limits (TRGS 900)	
Occupational exposure limit value (mg/m ³)	2 mg/m ³
Occupational exposure limit value (ppm)	0,4 ppm
Hungary - Occupational Exposure Limits	
AK-érték	50 mg/m ³
Ireland - Occupational Exposure Limits	
OEL (8 hours ref) (mg/m ³)	50 mg/m ³
OEL (8 hours ref) (ppm)	10 ppm
Italy - Occupational Exposure Limits	
OEL TWA (mg/m ³)	50 mg/m ³
OEL TWA (ppm)	10 ppm
Latvia - Occupational Exposure Limits	
OEL TWA (mg/m ³)	50 mg/m ³
OEL TWA (ppm)	10 ppm
Netherlands - Occupational Exposure Limits	
Grenswaarde TGG 8H (mg/m ³)	50 mg/m ³
Grenswaarde TGG 15MIN (mg/m ³)	80 mg/m ³
Poland - Occupational Exposure Limits	
NDS (mg/m ³)	20 mg/m ³
NDSCh (mg/m ³)	50 mg/m ³
Romania - Occupational Exposure Limits	
OEL TWA (mg/m ³)	50 mg/m ³
OEL TWA (ppm)	9,5 ppm
Spain - Occupational Exposure Limits	
VLA-ED (mg/m ³)	53 mg/m ³
VLA-ED (ppm)	10 ppm
VLA-EC (mg/m ³)	80 mg/m ³
VLA-EC (ppm)	15 ppm
Sweden - Occupational Exposure Limits	
nivågränsvärde (NVG) (mg/m ³)	50 mg/m ³
nivågränsvärde (NVG) (ppm)	10 ppm
kortidsvärde (KTV) (mg/m ³)	80 mg/m ³
kortidsvärde (KTV) (ppm)	15 ppm
United Kingdom - Occupational Exposure Limits	
WEL TWA (mg/m ³)	53 mg/m ³
WEL TWA (ppm)	10 ppm
WEL STEL (mg/m ³)	80 mg/m ³
WEL STEL [ppm]	15 ppm
Switzerland - Occupational Exposure Limits	
MAK (mg/m ³)	50 mg/m ³
MAK (ppm)	10 ppm

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naphthalene (91-20-3)

Turkey - Occupational Exposure Limits

OEL TWA (mg/m ³)	50 mg/m ³
OEL TWA (ppm)	10 ppm

USA - ACGIH - Occupational Exposure Limits

ACGIH TWA (mg/m ³)	50 mg/m ³
ACGIH TWA (ppm)	10 ppm

8.2. Exposure controls

Hand protection:

Gloves. EN 374

Eye protection:

Safety glasses. EN 166

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

Good ventilation of the workplace required

Personal protective equipment symbol(s):



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: clear.
Colour	: Yellow.
Odour	: No data available
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	: 59 °C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 0,79 – 0,8 g/cm ³ (20°C)
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Viscosity, kinematic	: < 20,5 mm ² /s (40°C)

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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

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Heat. Open flame. Sparks. Water, humidity. Freezing.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Incomplete combustion releases dangerous carbon monoxide, carbon dioxide and other toxic gases.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified.

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

LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 5000 mg/kg
LC50 Inhalation - Rat	4951 mg/m ³ 4 hours

2-ethylhexan-1-ol (104-76-7)

LD50 oral rat	> 3290 mg/kg
LD50 dermal rabbit	> 3000 mg/kg

Solvent naphtha (petroleum), heavy arom.; Kerosine - unspecified (64742-94-5)

LD50 dermal rabbit	> 2 ml/kg
LC50 Inhalation - Rat	> 590 mg/m ³

Tricarbonyl(methylcyclopentadienyl)manganese (12108-13-3)

LC50 Inhalation - Rat	0,14 mg/l/4h
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naphthalene (91-20-3)	
LD50 oral	490 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
LD50 dermal	> 2500 mg/kg
LC50 Inhalation - Rat	> 340 mg/m ³

Polyether Polyol	
LD50 oral rat	> 2000 mg/kg
LD50 dermal rabbit	> 5000 mg/kg

Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: May be fatal if swallowed and enters airways.

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Viscosity, kinematic	< 20,5 mm ² /s (40°C)

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: Harmful to aquatic life with long lasting effects.
Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Harmful to aquatic life with long lasting effects.

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics	
LC50 fish 1	> 1000 mg/l
EC50 Daphnia 1	> 1000 mg/l
EC50 72h algae (1)	> 1000 mg/l

2-ethylhexan-1-ol (104-76-7)	
LC50 fish 1	28,2 mg/l (Pimephales promelas, 4DY)
EC50 Daphnia 1	39 mg/l (Daphnia magna)
EC50 72h algae (1)	11,5 mg/l (Desmodesmus subspicatus)

Solvent naphtha (petroleum), heavy arom.; Kerosine - unspecified (64742-94-5)	
LC50 fish 1	2 – 5 mg/l
EC50 Daphnia 1	3 – 10 mg/l

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EC50 72h algae (1)	< 10 mg/l
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naphthalene (91-20-3)	
LC50 fish 2	≥ 2350 µg/l 48 hours
EC50 Daphnia 1	1,96 mg/l 48 hours

12.2. Persistence and degradability

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics	
Biodegradation	80 % 28 days

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

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 treatment methods	: Dispose of this material and its container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.
Sewage disposal recommendations	: Do not discharge into drains or the environment.
Product/Packaging disposal recommendations	: Collect all waste in suitable and labelled containers and dispose according to local legislation.
Additional information	: Empty the packaging completely prior to disposal. Do not re-use empty containers.
Ecology - waste materials	: Do not discharge the product into the environment.

SECTION 14: Transport information





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

ADR	IMDG	IATA	RID
14.1. UN number			
UN 1993	UN 1993	UN 1993	UN 1993
14.2. UN proper shipping name			
FLAMMABLE LIQUID, N.O.S.	FLAMMABLE LIQUID, N.O.S.	Flammable liquid, n.o.s.	FLAMMABLE LIQUID, N.O.S.

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Transport document description			
UN 1993 FLAMMABLE LIQUID, N.O.S. (CONTAINS : Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics ; Solvent naphtha (petroleum), heavy arom.; Kerosine - unspecified), 3, III, (D/E)	UN 1993 FLAMMABLE LIQUID, N.O.S. (CONTAINS : Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics ; Solvent naphtha (petroleum), heavy arom.; Kerosine - unspecified), 3, III	UN 1993 Flammable liquid, n.o.s. (CONTAINS : Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics ; Solvent naphtha (petroleum), heavy arom.; Kerosine - unspecified), 3, III	UN 1993 FLAMMABLE LIQUID, N.O.S. (CONTAINS : Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics ; Solvent naphtha (petroleum), heavy arom.; Kerosine - unspecified), 3, III
14.3. Transport hazard class(es)			
3	3	3	3
			
14.4. Packing group			
III	III	III	III
14.5. Environmental hazards			
Dangerous for the environment : No	Dangerous for the environment : No Marine pollutant : No	Dangerous for the environment : No	Dangerous for the environment : No
No supplementary information available			

14.6. Special precautions for user

Overland transport

Classification code (ADR)	: F1
Special provisions (ADR)	: 274, 601
Limited quantities (ADR)	: 5I
Excepted quantities (ADR)	: E1
Packing instructions (ADR)	: P001, IBC03, LP01, R001
Mixed packing provisions (ADR)	: MP19
Portable tank and bulk container instructions (ADR)	: T4
Portable tank and bulk container special provisions (ADR)	: TP1, TP29
Tank code (ADR)	: LGBF
Vehicle for tank carriage	: FL
Transport category (ADR)	: 3
Special provisions for carriage - Packages (ADR)	: V12
Special provisions for carriage - Operation (ADR)	: S2
Hazard identification number (Kemler No.)	: 30
Orange plates	: 
Tunnel restriction code (ADR)	: D/E
EAC code	: •3YE

Transport by sea

Special provisions (IMDG)	: 223, 274, 955
Limited quantities (IMDG)	: 5 L
Excepted quantities (IMDG)	: E1
Packing instructions (IMDG)	: LP01, P001
IBC packing instructions (IMDG)	: IBC03
Tank instructions (IMDG)	: T4
Tank special provisions (IMDG)	: TP1, TP29

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EmS-No. (Fire) : F-E
EmS-No. (Spillage) : S-E
Stowage category (IMDG) : A

Air transport

PCA Excepted quantities (IATA) : E1
PCA Limited quantities (IATA) : Y344
PCA limited quantity max net quantity (IATA) : 10L
PCA packing instructions (IATA) : 355
PCA max net quantity (IATA) : 60L
CAO packing instructions (IATA) : 366
CAO max net quantity (IATA) : 220L
Special provisions (IATA) : A3
ERG code (IATA) : 3L

Rail transport

Classification code (RID) : F1
Special provisions (RID) : 274, 601
Limited quantities (RID) : 5L
Excepted quantities (RID) : E1
Packing instructions (RID) : P001, IBC03, LP01, R001
Mixed packing provisions (RID) : MP19
Portable tank and bulk container instructions (RID) : T4
Portable tank and bulk container special provisions (RID) : TP1, TP29
Tank codes for RID tanks (RID) : LGBF
Transport category (RID) : 3
Special provisions for carriage – Packages (RID) : W12
Colis express (express parcels) (RID) : CE4
Hazard identification number (RID) : 30

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

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

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

Directive 2012/18/EU (SEVESO III)

Seveso III Part I (Categories of dangerous substances)	Qualifying quantity (tonnes)	
	Lower-tier	Upper-tier
P5c FLAMMABLE LIQUIDS Flammable liquids, Categories 2 or 3 not covered by P5a and P5b	5000	50000

15.1.2. National regulations

France

Occupational diseases : RG 49 - Affections cutanées provoquées par les amines aliphatiques, alicycliques ou les éthanolamines
RG 84 - Affections engendrées par les solvants organiques liquides à usage professionnel

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Germany

Employment restrictions : Observe restrictions according Act on the Protection of Working Mothers (MuSchG)
Observe restrictions according Act on the Protection of Young People in Employment (JArbSchG)

Water hazard class (WGK) : WGK 3, Highly hazardous to water (Classification according to AwSV, Annex 1)

Hazardous Incident Ordinance (12. BImSchV) : Is not subject of the Hazardous Incident Ordinance (12. BImSchV)

Netherlands

SZW-lijst van kankerverwekkende stoffen : Solvent naphtha (petroleum), heavy arom.; Kerosine - unspecified is listed

SZW-lijst van mutagene stoffen : Solvent naphtha (petroleum), heavy arom.; Kerosine - unspecified is 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 : None of the components are listed

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

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

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

Denmark

Class for fire hazard : Class III-1

Store unit : 50 liter

Classification remarks : Flammable according to the Danish Ministry of Justice; Emergency management guidelines for the storage of flammable liquids must be followed

Danish National Regulations : 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

The requirements from the Danish Working Environment Authorities regarding work with carcinogens must be followed during use and disposal

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Full text of H- and EUH-statements:	
Acute Tox. 1 (Inhalation:vapour)	Acute toxicity (inhalation:vapour) Category 1
Acute Tox. 2 (Dermal)	Acute toxicity (dermal), Category 2
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Acute Tox. 4 (Inhalation:vapour)	Acute toxicity (inhalation:vapour) 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
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Asp. Tox. 1	Aspiration hazard, Category 1
Carc. 2	Carcinogenicity, Category 2
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Skin Irrit. 2	Skin corrosion/irritation, 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
H226	Flammable liquid and vapour.
H301	Toxic if swallowed.
H302	Harmful if swallowed.

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H304	May be fatal if swallowed and enters airways.
H310	Fatal in contact with skin.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
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.
H412	Harmful 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.