



# TYPE D COOLANT -35°C BARD AHL

## Safety Data Sheet

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

Reference number: 8511

Issue date: 03-08-15 Revision date: 29-09-20 Supersedes version of: 21-03-16 Version: 3.0

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

### 1.1. Product identifier

Product form : Mixture  
Product name : TYPE D COOLANT -35°C BARD AHL  
Product code : 8511 # 731851R3

### 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 : Anti-freezing agents

#### 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](mailto:msds@bardahlfrance.com) - [www.bardahl.fr](http://www.bardahl.fr)

#### Supplier

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[msds@bardahlfrance.com](mailto:msds@bardahlfrance.com) - [www.bardahl.fr](http://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]

Acute toxicity (oral), Category 4 H302  
Serious eye damage/eye irritation, Category 2 H319

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Specific target organ toxicity — Repeated exposure, Category 2 H373

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)



GHS07

GHS08

Signal word (CLP)

: Warning

Contains

: ethylene glycol; 2,2' -oxybisethanol; diethylene glycol

Hazard statements (CLP)

: H302 - Harmful if swallowed.

H319 - Causes serious eye irritation.

H373 - May cause damage to organs through prolonged or repeated exposure.

Precautionary statements (CLP)

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

P102 - Keep out of reach of children.

P260 - Do not breathe vapours.

P264 - Wash hands thoroughly after handling.

P270 - Do not eat, drink or smoke when using this product.

P280 - Wear eye protection, face protection.

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

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P312 - Call a POISON CENTER or doctor/physician if you feel unwell.

P337+P313 - If eye irritation persists: Get medical advice/attention. medical attention.

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

Extra phrases

: Contains : Embittering agent.

Child-resistant fastening

: Not 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]
ethylene glycol	(CAS-No.) 107-21-1 (EC-No.) 203-473-3 (EC Index-No.) 603-027-00-1 (REACH-no) 01-2119456816-28	30-50	Acute Tox. 4 (Oral), H302 STOT RE 2, H373
2,2' -oxybisethanol; diethylene glycol	(CAS-No.) 111-46-6 (EC-No.) 203-872-2 (EC Index-No.) 603-140-00-6	5-10	Acute Tox. 4 (Oral), H302
Potassium 2-ethylhexanoate	(CAS-No.) 3164-85-0 (EC-No.) 221-625-7	<3	Skin Irrit. 2, H315 Eye Dam. 1, H318 Repr. 2, H361fd

Full text of H-statements: see section 16

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### 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 eye contact	: Causes serious eye irritation.
Symptoms/effects after ingestion	: Harmful if swallowed.

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

Antidote. Ethanol.

### 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

Hazardous decomposition products in case of fire	: Incomplete combustion releases dangerous carbon monoxide, carbon dioxide and other toxic gases.
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#### 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.

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### 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.  
Information on mixed storage : Keep away from food, drink and animal feeding stuffs.  
Storage area : Store in a well-ventilated place. Store in a dry 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

ethylene glycol (107-21-1)	
<b>EU - Occupational Exposure Limits</b>	
Local name	Ethylene glycol
IOELV TWA (mg/m <sup>3</sup> )	52 mg/m <sup>3</sup>
IOELV TWA (ppm)	20 ppm
IOELV STEL (mg/m <sup>3</sup> )	104 mg/m <sup>3</sup>
IOELV STEL (ppm)	40 ppm
Notes	Skin
Regulatory reference	COMMISSION DIRECTIVE 2000/39/EC
<b>Austria - Occupational Exposure Limits</b>	
MAK Daily average value (mg/m <sup>3</sup> )	26 mg/m <sup>3</sup>
MAK Daily average value (ppm)	10 ppm
MAK Short time value [mg/m <sup>3</sup> ]	52 mg/m <sup>3</sup>
MAK Short time value [ppm]	20 ppm
<b>Belgium - Occupational Exposure Limits</b>	
Local name	Ethylèneglycol (en aérosol) # Ethyleenglycol
Limit value [mg/m <sup>3</sup> ]	52 mg/m <sup>3</sup>
Limit value [ppm]	20 ppm
Short time value [mg/m <sup>3</sup> ]	104 mg/m <sup>3</sup>
Short time value [ppm]	40 ppm

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ethylene glycol (107-21-1)	
Remark (BE)	D: la mention "D" signifie que la résorption de l'agent, via la peau, les muqueuses ou les yeux, constitue une partie importante de l'exposition totale. Cette résorption peut se faire tant par contact direct que par présence de l'agent dans l'air, M: la mention "M" indique que lors d'une exposition supérieure à la valeur limite, des irritations apparaissent ou un danger d'intoxication aiguë existe. Le procédé de travail doit être conçu de telle façon que l'exposition ne dépasse jamais la valeur limite. Lors des mesurages, la période d'échantillonnage doit être aussi courte que possible afin de pouvoir effectuer des mesurages fiables. Le résultat des mesurages est calculé en fonction de la période d'échantillonnage. # D: de vermelding "D" betekent dat de opname van het agens via de huid, de slijmvliezen of de ogen een belangrijk deel van de totale blootstelling vormt. Deze opname kan het gevolg zijn van zowel direct contact als zijn aanwezigheid in de lucht, M: de vermelding "M" duidt aan dat bij de blootstelling boven de grenswaarde irritatie optreedt of er gevaar bestaat voor acute vergiftiging. Het werkprocédé moet zo zijn ontworpen dat de blootstelling de grenswaarde nooit overschrijdt. Bij een controle geldt dat de bemonsterde periode zo kort mogelijk moet zijn om een betrouwbare meting te kunnen verrichten. Het meetresultaat wordt dan gerelateerd aan de beschouwde periode.
Regulatory reference	Koninklijk besluit/Arrêté royal 21/01/2020
<b>Denmark - Occupational Exposure Limits</b>	
Grænseværdi (8 timer) (mg/m <sup>3</sup> )	26 mg/m <sup>3</sup>
Grænseværdi (8 timer) (ppm)	10 ppm
Grænseværdi (STEL) (mg/m <sup>3</sup> )	52 mg/m <sup>3</sup>
Grænseværdi (STEL) (ppm)	20 ppm
<b>Finland - Occupational Exposure Limits</b>	
HTP-arvo (8h) (mg/m <sup>3</sup> )	50 mg/m <sup>3</sup>
HTP-arvo (8h) (ppm)	20 ppm
HTP-arvo (15 min)	100 mg/m <sup>3</sup>
HTP-arvo (15 min) (ppm)	40 ppm
<b>France - Occupational Exposure Limits</b>	
Local name	Ethylèneglycol (vapeur)
VME [mg/m <sup>3</sup> ]	52 mg/m <sup>3</sup>
VME [ppm]	20 ppm
VLE [mg/m <sup>3</sup> ]	104 mg/m <sup>3</sup>
VLE [ppm]	40 ppm
Note (FR)	Valeurs réglementaires indicatives; risque de pénétration percutanée
Regulatory reference	Arrêté du 30 juin 2004 modifié (réf.: INRS ED 984, 2016)
<b>Germany - Occupational Exposure Limits (TRGS 900)</b>	
Occupational exposure limit value (mg/m <sup>3</sup> )	26 mg/m <sup>3</sup>
Occupational exposure limit value (ppm)	10 ppm
<b>Ireland - Occupational Exposure Limits</b>	
OEL (8 hours ref) (mg/m <sup>3</sup> )	52 mg/m <sup>3</sup>
OEL (8 hours ref) (ppm)	20 ppm
OEL (15 min ref) (mg/m <sup>3</sup> )	104 mg/m <sup>3</sup>
OEL (15 min ref) (ppm)	40 ppm
<b>Italy - Occupational Exposure Limits</b>	
OEL TWA (mg/m <sup>3</sup> )	52 mg/m <sup>3</sup>

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<b>ethylene glycol (107-21-1)</b>	
OEL TWA (ppm)	20 ppm
OEL STEL (mg/m <sup>3</sup> )	104 mg/m <sup>3</sup>
OEL STEL (ppm)	40 ppm
<b>Netherlands - Occupational Exposure Limits</b>	
Grenswaarde TGG 8H (mg/m <sup>3</sup> )	52 mg/m <sup>3</sup>
Grenswaarde TGG 15MIN (mg/m <sup>3</sup> )	104 mg/m <sup>3</sup>
MAC C (mg/m <sup>3</sup> )	104 mg/m <sup>3</sup>
MAC C (ppm)	40 ppm
<b>Poland - Occupational Exposure Limits</b>	
NDS (mg/m <sup>3</sup> )	15 mg/m <sup>3</sup>
NDSP (mg/m <sup>3</sup> )	50 mg/m <sup>3</sup>
<b>Romania - Occupational Exposure Limits</b>	
OEL TWA (mg/m <sup>3</sup> )	52 mg/m <sup>3</sup>
OEL TWA (ppm)	20 ppm
OEL STEL (mg/m <sup>3</sup> )	104 mg/m <sup>3</sup>
OEL STEL (ppm)	40 ppm
<b>Spain - Occupational Exposure Limits</b>	
VLA-ED (mg/m <sup>3</sup> )	52 mg/m <sup>3</sup>
VLA-ED (ppm)	20 ppm
VLA-EC (mg/m <sup>3</sup> )	104 mg/m <sup>3</sup>
VLA-EC (ppm)	40 ppm
<b>Sweden - Occupational Exposure Limits</b>	
nivågränsvärde (NVG) (mg/m <sup>3</sup> )	25 mg/m <sup>3</sup>
nivågränsvärde (NVG) (ppm)	10 ppm
kortidsvärde (KTV) (mg/m <sup>3</sup> )	50 mg/m <sup>3</sup>
kortidsvärde (KTV) (ppm)	20 ppm
<b>United Kingdom - Occupational Exposure Limits</b>	
WEL TWA (mg/m <sup>3</sup> )	52 mg/m <sup>3</sup>
WEL TWA (ppm)	20 ppm
WEL STEL (mg/m <sup>3</sup> )	104 mg/m <sup>3</sup>
WEL STEL [ppm]	40 ppm
<b>Switzerland - Occupational Exposure Limits</b>	
MAK (mg/m <sup>3</sup> )	26 mg/m <sup>3</sup>
MAK (ppm)	10 ppm
KZGW (mg/m <sup>3</sup> )	52 mg/m <sup>3</sup>
KZGW (ppm)	20 ppm
<b>Turkey - Occupational Exposure Limits</b>	
OEL TWA (mg/m <sup>3</sup> )	52 mg/m <sup>3</sup>
OEL TWA (ppm)	20 ppm
OEL STEL (mg/m <sup>3</sup> )	104 mg/m <sup>3</sup>

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ethylene glycol (107-21-1)	
OEL STEL (ppm)	40 ppm
2,2'-oxybisethanol; diethylene glycol (111-46-6)	
Austria - Occupational Exposure Limits	
MAK Daily average value (mg/m <sup>3</sup> )	44 mg/m <sup>3</sup>
MAK Daily average value (ppm)	10 ppm
MAK Short time value [mg/m <sup>3</sup> ]	176 mg/m <sup>3</sup>
MAK Short time value [ppm]	40 ppm
Denmark - Occupational Exposure Limits	
Grænseværdi (8 timer) (mg/m <sup>3</sup> )	11 mg/m <sup>3</sup>
Grænseværdi (8 timer) (ppm)	2,5 ppm
Grænseværdi (STEL) (mg/m <sup>3</sup> )	22 mg/m <sup>3</sup>
Grænseværdi (STEL) (ppm)	5 ppm
Germany - Occupational Exposure Limits (TRGS 900)	
Occupational exposure limit value (mg/m <sup>3</sup> )	44 mg/m <sup>3</sup>
Occupational exposure limit value (ppm)	10 ppm
Ireland - Occupational Exposure Limits	
OEL (8 hours ref) (mg/m <sup>3</sup> )	100 mg/m <sup>3</sup>
OEL (8 hours ref) (ppm)	23 ppm
Latvia - Occupational Exposure Limits	
OEL TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>
Poland - Occupational Exposure Limits	
NDS (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup>
Romania - Occupational Exposure Limits	
OEL TWA (mg/m <sup>3</sup> )	500 mg/m <sup>3</sup>
OEL TWA (ppm)	115 ppm
OEL STEL (mg/m <sup>3</sup> )	800 mg/m <sup>3</sup>
OEL STEL (ppm)	184 ppm
Sweden - Occupational Exposure Limits	
nivågränsvärde (NVG) (mg/m <sup>3</sup> )	45 mg/m <sup>3</sup>
nivågränsvärde (NVG) (ppm)	10 ppm
kortidsvärde (KTV) (mg/m <sup>3</sup> )	90 mg/m <sup>3</sup>
kortidsvärde (KTV) (ppm)	20 ppm
United Kingdom - Occupational Exposure Limits	
WEL TWA (mg/m <sup>3</sup> )	101 mg/m <sup>3</sup>
WEL TWA (ppm)	23 ppm
Switzerland - Occupational Exposure Limits	
MAK (mg/m <sup>3</sup> )	44 mg/m <sup>3</sup>
MAK (ppm)	10 ppm
KZGW (mg/m <sup>3</sup> )	176 mg/m <sup>3</sup>
KZGW (ppm)	40 ppm

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### 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	: pink.
Odour	: No data available
Odour threshold	: No data available
pH	: 7,5 – 9
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	: > 60 °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	: 1,065 – 1,075 g/cm <sup>3</sup> (20°C)
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Viscosity, kinematic	: No data available
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



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### 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) : Harmful if swallowed.  
Acute toxicity (dermal) : Not classified  
Acute toxicity (inhalation) : Not classified

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ATE CLP (oral)	1033,382 mg/kg bodyweight
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#### ethylene glycol (107-21-1)

LD50 oral rat	7712 mg/kg bodyweight
LD50 dermal rat	3500 mg/kg bodyweight
LC50 Inhalation - Rat	> 2,5 mg/l

#### Potassium 2-ethylhexanoate (3164-85-0)

LD50 oral rat	2043 mg/kg
LD50 dermal rat	< 2000 mg/kg

#### 9-(2-carboxyphenyl)-3,6-bis(diethylamino)xanthylum chloride (81-88-9)

LD50 oral rat	300 – 2000 mg/kg
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Skin corrosion/irritation : Not classified  
pH: 7,5 – 9  
Serious eye damage/irritation : Causes serious eye irritation.  
pH: 7,5 – 9  
Respiratory or skin sensitisation : Not classified  
Germ cell mutagenicity : Not classified  
Carcinogenicity : Not classified

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ethylene glycol (107-21-1)	
NOAEL (chronic, oral, animal/male, 2 years)	1000 mg/kg bodyweight
NOAEL (chronic, oral, animal/female, 2 years)	1000 mg/kg bodyweight

Potassium 2-ethylhexanoate (3164-85-0)	
NOAEL (chronic, oral, animal/male, 2 years)	1000 mg/kg bodyweight
NOAEL (chronic, oral, animal/female, 2 years)	1000 mg/kg bodyweight

Reproductive toxicity : Not classified

STOT-single exposure : Not classified

ethylene glycol (107-21-1)	
NOAEL (oral, rat)	200 mg/kg bodyweight

STOT-repeated exposure : May cause damage to organs through prolonged or repeated exposure.

Potassium 2-ethylhexanoate (3164-85-0)	
NOAEL (subchronic, oral, animal/male, 90 days)	180 – 205 mg/kg bodyweight mouse
NOAEL (subchronic, oral, animal/female, 90 days)	180 – 205 mg/kg bodyweight mouse

Aspiration hazard : Not classified

## SECTION 12: Ecological information

### 12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute) : Not classified

Hazardous to the aquatic environment, long-term (chronic) : Not classified

ethylene glycol (107-21-1)	
LC50 fish 1	72860 mg/l
EC50 Daphnia 1	> 100 mg/l
EC50 other aquatic organisms 1	> 6500 mg/l
NOEC chronic fish	15380 mg/l
NOEC chronic algae	8590 mg/l

Potassium 2-ethylhexanoate (3164-85-0)	
LC50 fish 1	> 100 mg/l <i>Oryzias latipes</i>
EC50 Daphnia 1	106 mg/l <i>Daphnia magna</i>
EC50 72h algae (1)	49,3 mg/l <i>Desmodesmus subspicatus</i>

9-(2-carboxyphenyl)-3,6-bis(diethylamino)xanthylium chloride (81-88-9)	
LC50 fish 1	217 mg/l truite
LC50 fish 2	83,9 mg/l <i>Cyprinodon variegatus</i> (Sheephead minnow)
EC50 Daphnia 1	22,9 mg/l

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### 12.2. Persistence and degradability

#### ethylene glycol (107-21-1)

Biodegradation	90 % (OECD 301D method)
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#### Potassium 2-ethylhexanoate (3164-85-0)

Biodegradation	99 %
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### 12.3. Bioaccumulative potential

#### ethylene glycol (107-21-1)

Partition coefficient n-octanol/water (Log Kow)	-1,36
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#### Potassium 2-ethylhexanoate (3164-85-0)

Partition coefficient n-octanol/water (Log Kow)	2,96
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### 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.
European List of Waste (LoW) code	: 07 07 01* - aqueous washing liquids and mother liquors 07 06 01* - aqueous washing liquids and mother liquors

## SECTION 14: Transport information

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

ADR	IMDG	IATA	RID
<b>14.1. UN number</b>			
Not applicable	Not applicable	Not applicable	Not applicable
<b>14.2. UN proper shipping name</b>			
Not applicable	Not applicable	Not applicable	Not applicable
<b>14.3. Transport hazard class(es)</b>			
Not applicable	Not applicable	Not applicable	Not applicable
<b>14.4. Packing group</b>			
Not applicable	Not applicable	Not applicable	Not applicable

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

### 14.5. Environmental hazards

Not applicable	Not applicable	Not applicable	Not applicable
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No supplementary information available

### 14.6. Special precautions for user

#### Overland transport

Not applicable

#### Transport by sea

Not applicable

#### Air transport

Not applicable

#### Rail transport

Not applicable

### 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

#### 15.1.2. National regulations

##### 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 : 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 : 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

Classification remarks : 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

### 15.2. Chemical safety assessment

No additional information available

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### SECTION 16: Other information

#### Full text of H- and EUH-statements:

Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
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
H302	Harmful if swallowed.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H361fd	Suspected of damaging fertility. Suspected of damaging the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure.

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.