Safety data sheet

According to Regulation (EU) No 2020/878

Bar's Leaks Liquid

SECTION 1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name	:	BAR'S LEAKS LIQUID
Product code	:	121091, 121002; 121091
UFI	:	D600-S0YR-P00H-0E32

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

Application	:	SU21 Consumer product. Other adhesives and sealants.

1.3. Details of the supplier of the safety data sheet

Supplier	:	Bar's Products Europe, B.V. Kingsfordweg 151 1043 GR Amsterdam, The Netherlands
Telephone	:	+31-20-7989301
E-mail	:	Main@barsgroup.com
Website	:	www.barseurope.com

1.4. Emergency telephone number

EMERGENCY TELEPHONE NUMBER, for DOCTORS/FIRE BRIGADE/POLICE only:

NL - Telephone	:	+31-20-7989301	(24/7)

SECTION 2 HAZARDS IDENTIFICATION *

2.1. Classification of the substance or mixture

CLP classification (1272/2008/EC)	:	Skin irritation, category 2. Hazardous to the aquatic environment — Chronic category 3.
Human health hazards	:	Causes skin irritation. May produce an allergic reaction. Contains petroleum distillates, may be harmful when ingested.
Physical/chemical hazards	:	Not classified as dangerous according to statutory EC-Directives.
Environmental hazards	:	Harmful to aquatic life with long lasting effects.

2.2. Label elements

Label elements (1272/2008/EC):

Hazard pictograms :



Signal word : Warning

H- and P-phrases :

H315	Causes skin irritation.
H412	Harmful to aquatic life with long lasting effects.
EUH208	Contains ... May produce an allergic reaction. Reference is made to additional labelling for full text of EUH208*.
P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P280 gloves	Wear protective gloves.
P273	Avoid release to the environment.

P501 Dispose of contents/container to an official chemical waste depot.

Labelling of packagings where the contents do not exceed 125 ml and it is technically impossible to list all phrases:

Hazard pictograms :



Signal word : Warning

H- and P-phrases :

H412	Harmful to aquatic life with long lasting effects.
EUH208	Contains ... May produce an allergic reaction. Reference is made to additional labelling for full text of EUH208*.
P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.

Additional labelling (for all packaging sizes)

: * Contains 2,2',2''-(hexahydro-1,3,5- triazine-1,3,5-triyl)triethanol . May produce an allergic reaction.

: 5 per cent of the mixture consists of component(s) of unknown acute toxicity. Contains 17 % of components with unknown hazards to the aquatic environment.

2.3. Other hazards

Other information : Does not contain PBT or vPvB substances in concentrations higher than 0,1%.

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

3.2. Mixtures

Product description : Mixture.

Information on hazardous substances:

Substance name	Concentration (w/w) (%)	CAS nr.	EC number	Remark	REACH nr.
Alcohols, C16-18 and C18-unsatd., ethoxylated	1 - < 5	68920-66-1	500-236-9		
N,N-Bis(2-hydroxyethyl)oleamide	1 - < 2,5	93-83-4	700-972-2		
Curcumin	1 - < 5	458-37-7	207-280-5		
Potassium carbonate	1 - < 5	584-08-7	209-529-3		
2,2',2''-(hexahydro-1,3,5- triazine-1,3,5-triyl)triethanol	0,01 - < 0,1	4719-04-4	225-208-0		

Substance name	Hazard Class	H-phrases	Pictograms	
Alcohols, C16-18 and C18-unsatd., ethoxylated	Skin Irrit. 2; Aquatic Chronic 3	H315; H412	GHS07	
N,N-Bis(2-hydroxyethyl)oleamide	Skin Irrit. 2; Eye Irrit. 2; Aquatic Chronic 2	H315; H319; H411	GHS07; GHS09	
Curcumin	Skin Irrit. 2; Eye Irrit. 2; STOT SE 3	H315; H319; H335	GHS07	
Potassium carbonate	Skin Irrit. 2; Eye Irrit. 2; STOT SE 3	H315; H319; H335	GHS07	
2,2',2''-(hexahydro-1,3,5- triazine-1,3,5-triyl)triethanol	Acute Tox. 4; Skin Sens. 1; Acute Tox. 2; STOT RE 1	H302; H317; H330; H372	GHS06; GHS07; GHS08	H317 : C >= 0,1 %

Occupational exposure limit(s), if relevant, are listed in section 8.

Reference is made to chapter 16 for full text of each relevant H phrase.

SECTION 4 FIRST-AID MEASURES

4.1. Description of first aid measures

First aid measures

Inhalation	:	Move victim into fresh air. Consult a doctor if victim feels unwell.
Skin contact	:	Take off contaminated clothing. Wash off skin with plenty of water and soap before product dries up. Consult a doctor if irritation occurs.
Eye contact	:	Wash out with (lukewarm) water. Remove contact lenses. Consult a doctor if irritation persists.
Ingestion	:	Do not induce vomiting. Give nothing to drink. Do rinse the mouth. Never give anything by mouth to an unconscious person. Consult a doctor if victim feels unwell.

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

Effects and symptoms

Inhalation	:	May cause headache, dizziness and a feeling of sickness.
Skin contact	:	Irritant. May produce an allergic reaction. May cause dry skin.
Eye contact	:	May cause stinging of eyes and redness.
Ingestion	:	May cause a feeling of sickness, vomiting and diarrhoea. May cause lung damage, sore throat and lack of breath.

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

Note to physicians : None known.

SECTION 5 FIRE-FIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media

Suitable	:	Carbondioxide (CO_2). Foam. Dry chemical. Water fog.
Not suitable	:	Water jet.

5.2. Special hazards arising from the substance or mixture

Special exposure hazards	:	None known.
Hazardous thermal decomposition products	:	Carbon monoxide may be evolved if incomplete combustion occurs.

5.3. Advice for firefighters

Special protective equipment for fire-fighters : Use adequate respiratory equipment in case of insufficient ventilation.

SECTION 6 ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions : Danger of slipping. Clean up spills immediately. Wear shoes with non-slip soles. Avoid contact with spilled or released material.

6.2. Environmental precautions

Environmental precautions	:	Avoid release of product into sewers, surface water and/or ground water. In case of large spills: contain with dike. Waste product should not be allowed to contaminate soil or water.
Other information	:	Notify authorities if any exposure to the general public or the environment occurs or is likely to occur.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Collect spilled material in containers. Absorb residues in sand or other inert material. Dispose at an authorised waste collection point. Wash away remainder with plenty of water and soap.

6.4. Reference to other sections

Reference to other sections : See also section 8.

SECTION 7 HANDLING AND STORAGE

7.1. Precautions for safe handling

Handling : Handle in accordance with good occupational hygiene and safety practices in well-ventilated areas. Do not breathe vapour. Avoid contact with skin and eyes. Avoid splashing. Wear protective clothing.

7.2. Conditions for safe storage, including any incompatibilities

Storage : Keep frost-free, in a cool, dry and well-ventilated place (< 35 °C). Keep away from oxidizing agents.
Recommended packaging : Keep only in the original container.
Non recommended packaging : Steel (except stainless steel). PE and PP.

7.3. Specific end use(s)

Use : Use only as directed.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limits : Occupational exposure limits have not been established for this product. Derived no-effect levels (DNEL) have not been established for this product. Predicted no-effect concentrations (PNEC) have not been established for this product.

Workplace exposure limits (mg/m³):

Chemical name	Country	TWA 8 hour (mg/m3)	STEL 15 min (mg/m3)	Comments	Source
Potassium carbonate		0,5	-		MAC: LV

Derived no-effect level (DNEL) for workers:

Chemical name	Route of exposure	DNEL, short-term		DNEL, long-term	
		Local effect	Systemic effect	Local effect	Systemic effect
N,N-Bis(2-hydroxyethyl)oleamide	Inhalation Dermal			73,44 mg/m3	4,16 mg/kg bw/day
Potassium carbonate	Inhalation Dermal			10 mg/m3 16 mg/kg bw/day	
2,2',2''-(hexahydro-1,3,5- triazine-1,3,5 -triyl)triethanol	Inhalation			0,2 mg/m3	

Derived no-effect level (DNEL) for consumers:

Chemical name	Route of exposure	DNEL, short-term		DNEL, long-term	
		Local effect	Systemic effect	Local effect	Systemic effect
N,N-Bis(2-hydroxyethyl)oleamide	Inhalation Dermal			21,73 mg/m3	2,5 mg/kg bw/day

Potassium carbonate	Oral Inhalation Dermal			10 mg/m3 8 mg/kg bw/day	6,25 mg/kg bw/day

Predicted no-effect concentration (PNEC):

Chemical name	Route of exposure	Fresh water	Marine water	
N,N-Bis(2-hydroxyethyl)oleamide	Water	0.007 mg/l	0.001 mg/l	
	Sediment	1.227 mg/kg	0.123 mg/kg	
	STP			830 mg/l
	Soil			0.241 mg/kg
2,2',2''-(hexahydro-1,3,5- triazine-1,3,5 -triyl)triethanol	Water	0,0066 mg/l	0,00066 mg/l	
	Sediment	0,0304 mg/kg	0,00304 mg/kg	
	Intermittent water			0,066 mg/l
	STP			5,5 mg/l
	Soil			0,00219 mg/kg

8.2. Exposure controls

Engineering measures : Use only in well-ventilated areas. Comply with standard precautionary measures for working with chemicals.

Hygienic measures : When using do not eat, drink or smoke.

Personal protective equipment:
The efficiency of personal protective equipment depends among other things on temperature and degree of ventilation. Always get professional advice for the particular local situation.

:



Body protection : Use of specific protective industrial clothing is not required for momentary use. Wear suitable protective clothing, overalls or suit, and similar boots in accordance with EN 365/367 resp. 345 in case of frequent or prolonged use and in case of large scale exposure. Suitable material: nitril. Indication of permeation breakthrough time: 6 hours.

Respiratory protection : Take care of sufficient ventilation. Wear suitable respiratory protection in case of large scale exposure. Suitable: gas filter type A (brown), class I or higher on e.g. a facemask in accordance with EN 140.

Hand protection : Wear appropriate safety gloves in accordance with EN 374. Suitable material: nitril. ± 0,5 mm. Indication of permeation breakthrough time: 6 hours.

Eye protection : Wear appropriate safety glasses when there is danger of possible eye contact.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state	: Liquid.	
Colour	: Brown.	
Odour	: Characteristic.	
Odour threshold	: Not known.	
pH	: Not applicable.	
Solubility in water	: Dispersible.	
Partition coefficient (n-octanol/water)	: Not applicable.	Not measured. Not relevant for mixtures.
Flash point	: > 100 °C	
Flammability (solid, gas)	: Not applicable.	Liquid. See flashpoint.

Auto ignition temperature	:	> 350 °C	
Boiling point/boiling range	:	> 100 °C	
Melting point/melting range	:	< 0 °C	
Explosive properties	:	Not an explosive.	
Explosion limits (% in air)	:	Not known.	
Oxidising properties	:	Not applicable.	Does not contain oxidizing substances.
Decomposition temperature	:	Not known.	
Viscosity (20°C)	:	Not known.	
Viscosity (40°C)	:	Not relevant.	The product contains < 10% substances having an aspiration hazard.
Vapour pressure (20°C)	:	Not known.	
Relative vapour density	:	> 1	(air = 1)
Relative density (20°C)	:	0,9 g/ml	
Particle characteristics	:	Not applicable.	Liquid.

9.2. Other information

Other information : Not relevant.

SECTION 10 STABILITY AND REACTIVITY

10.1. Reactivity

Reactivity : See sub-sections below.

10.2. Chemical stability

Stability : Stable under normal conditions.

10.3. Possibility of hazardous reactions

Reactivity : No other hazardous reactions known.

10.4. Conditions to avoid

Conditions to avoid : See section 7.

10.5. Incompatible materials

Materials to avoid : Keep away from oxidizing agents.

10.6. Hazardous decomposition products

Hazardous decomposition products : Not known.

SECTION 11 TOXICOLOGICAL INFORMATION *

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

No toxicological research has been carried out on this product.
Inhalation

Acute toxicity	:	Calculated LC50: > 7,935 mg/l. Ingredients of unknown toxicity: 11 %. ATE: > 5 mg/l. Low toxicity. Not classified - based on available data, the classification criteria are not met. May cause headache, dizziness and a feeling of sickness.
Corrosion/irritation	:	Not classified - based on available data, the classification criteria are not met.
Sensitisation	:	Does not contain substances classified as respiratory sensitiser. Not classified - based on available data, the classification criteria are not met.

Carcinogenicity : Not expected to be carcinogenic. Not classified - based on available data, the classification criteria are not met.

Mutagenicity : Does not contain mutagenic substances. Not classified - based on available data, the classification criteria are not met.

Skin contact

Acute toxicity : Calculated LD50: > 5000 mg/kg.bw. Ingredients of unknown toxicity: 2 %. ATE: > 2000 mg/kg.bw. Low toxicity. Not classified - based on available data, the classification criteria are not met.

Corrosion/irritation : Irritant. May cause redness. Prolonged contact may dry out and defat the skin.

Sensitisation : May produce an allergic reaction.

Mutagenicity : Does not contain mutagenic substances. Not classified - based on available data, the classification criteria are not met.

Eye contact

Corrosion/irritation : Slight irritation possible. Not classified - based on available data, the classification criteria are not met.

Ingestion

Acute toxicity : Calculated LD50: > 4529 mg/kg.bw. Ingredients of unknown toxicity: 5 %. ATE: > 2000 mg/kg.bw. Low toxicity. Not classified - based on available data, the classification criteria are not met.

Aspiration : Not classified - based on available data, the classification criteria are not met. Does not contain substances with an aspiration hazard.

Corrosion/irritation : May cause a feeling of sickness, stomachache, vomiting and diarrhoea.

Carcinogenicity : Not expected to be carcinogenic. Not classified - based on available data, the classification criteria are not met.

Mutagenicity : Does not contain mutagenic substances. Not classified - based on available data, the classification criteria are not met.

Reprotoxicity : Development: Not expected to be reprotoxic. Development: Not classified - Based on available data, the classification criteria are not met. Fertility: not expected to be reprotoxic. Fertility: Not classified - based on available data, the classification criteria are not met.

Toxicological information:

Chemical name	Property		Method	Test animal
Alcohols, C16-18 and C18-unsatd., ethoxylated	LD50 (dermal) - estimate	> 2000 mg/kg bw	Read across	
	LD50 (oral) - estimate	> 5000 mg/kg bw	Read across	
N,N-Bis(2-hydroxyethyl)oleamide	LD50 (oral)	10000 mg/kg bw	-----	Rat
	LD50 (dermal) - estimate	> 2000 mg/kg bw	Read across	Rabbit
	Skin irritation	Irritant		Rabbit
	Eye irritation	Irritant	Read across	Rabbit
	Skin sensitisation - estimate	Not sensitizing	Read across	Guinea pig
Curcumin	Mutagenicity	Negative	-----	-----
	NOAEL (development, oral)	250 mg/kg bw/d	-----	Rat
	NOAEL (oral)	1300 mg/kg bw/d	-----	Rat
	LD50 (oral)	> 2000 mg/kg bw	-----	-----
Potassium carbonate	Skin irritation	Irritant	OECD 404	Rabbit
	LD50 (oral)	> 2000 mg/kg bw	OECD 401	Rat
	LC50 (inhalation)	> 3820 mg/m3	-----	Rat
	NOEL (carcinogenicity) - estimate	2861 mg/kg.d	Read across	Rat
	NOAEL (oral) - estimate	2667 mg/kg bw/d	Read across	Rat
	Mutagenicity	Negative	OECD 471	Salmonella typhimurium
	Genotoxicity - in vitro	Not genotoxic	OECD 473	

	Eye irritation	Irritant	OECD 405	Rabbit
	Skin sensitisation	Not sensitizing	OECD 406	Guinea pig
	LD50 (dermal)	> 2000 mg/kg bw	-----	Rabbit
	Outdoor cleaners (excludes stone, concrete and similar surfaces)	> 180 mg/kg bw/d	OECD 414	Rat
	NOAEL (development, oral)	> 180 mg/kg bw/d	OECD 414	Rat
2,2',2''-(hexahydro-1,3,5- triazine-1,3,5 -triyl)triethanol	NOEL (carcinogenicity) - estimate	Not carcinogenic	-----	Mouse
	Skin sensitisation	Sensitizing.	-----	Guinea pig
	LD50 (oral)	1000 mg/kg bw	OECD 401	Rat
	LC50 (inhalation)	371 mg/m3	OECD 403	Rat
	LD50 (dermal)	> 4000 mg/kg bw	OECD 402	Rat
	Skin irritation	Non-irritant	OECD 404	Rabbit
	Eye irritation	Slightly irritant	OECD 405	Rabbit
	NOAEL (oral)	64,1 mg/kg bw/d	OECD 408	Rat
	NOAEL (inhalation)	30 mg/m3	OECD 412	Rat
	Genotoxicity - in vivo	Not genotoxic	OECD 486	Rat
	NOAEL (development, oral)	750 mg/kg bw/d		Rat

11.2. Information on other hazards

Endocrine disrupting properties : Not applicable.
Other information : Not applicable.

SECTION 12 ECOLOGICAL INFORMATION *

12.1. Toxicity

No ecotoxicological research has been carried out on this product.
Ecotoxicity : Harmful to aquatic organisms. Calculated LC50 (fish): 23 mg/l. Calculated EC50 (waterflea): 54 mg/l. Contains 17 % of components with unknown hazards to the aquatic environment. May form an oil film on the water surface causing a decline in oxygen content with possible adverse effects for aquatic organisms.

12.2. Persistence and degradability

Persistence – degradability : May cause long-term adverse effects in the aquatic environment. The surfactants contained in this preparation do not comply with the biodegradability criteria as laid down in Regulation (EC) 648/2004 on detergents. This product shall not be used in cleaners.

12.3. Bioaccumulative potential

Bioaccumulative potential : No specific information known.

12.4. Mobility in soil

Mobility : Spilled product can penetrate into the ground and get into the surface water and ground water.

12.5. Results of PBT and vPvB assessment

PBT/vPvB assessment : Does not contain PBT or vPvB substances in concentrations higher than 0,1%.

12.6. Endocrine disrupting properties

Endocrine disrupting properties : Not applicable.

12.7. Other adverse effects

Other adverse effects : Not applicable.

Ecological information:

Chemical name	Property		Method	Test animal
Alcohols, C16-18 and C18-unsatd., ethoxylated	Ultimate aerobic biodegradation (%)	> 60 %		
	LC50 (fish) - estimate	1,26 mg/l	Read across	
	EC50 (waterflea) - estimate	2,5 mg/l	Read across	Daphnia magna
	IC50 (algea) - estimate	2,3 mg/l	Read across	
	Log P(ow)	NA		
N,N-Bis(2-hydroxyethyl)oleamide	Ultimate aerobic biodegradation (%)	86 %	OECD 301 B	
	LC50 (fish)	5,1 mg/l	OECD 203	Brachydanio rerio
	NOEC (fish) - estimate	0,32 mg/l.d	Read across	Oncorhynchus mykiss
	EC50 (waterflea) - estimate	3,2 mg/l	Read across	Daphnia magna
	NOEC (daphnids) - estimate	0,07 mg/l.d	Read across	Daphnia magna
	IC50 (algea) - estimate	18,6 mg/l	Read across	Scenedesmus subspicatus
	Log P(ow)	5,51		
	BCF	112,5		

SECTION 13 DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Product residues : Do not dispose empty pack with waste produced by households. Containers may be recycled. Treat product residues and non-empty pack as hazardous waste.

Additional warning : None.

Waste water discharge : Do not dispose of into the environment, drains, sewers or water courses.

European waste catalogue : Dispose hazardous waste in accordance with Directive 91/689/EEC under acknowledgement of a waste code according to Commission Decision 2000/532/EC to an official chemical waste depot.

Local legislation : Disposal should be in accordance with applicable regional, national, and local laws and regulations. Local regulations may be more stringent than regional or national requirements and must be complied with.

SECTION 14 TRANSPORT INFORMATION

14.1. UN number or ID number

UN nr. : None.

14.2. UN proper shipping name

Transport name : Not regulated.

14.3/14.4/14.5. Transport hazard class(es)/Packing group/Environmental hazards

ADR/RID/ADN (road/railway/inland waterways)

Class : This product is not classified according to ADR/RID/ADN.

IMDG (sea)
Class : This product is not classified according to IMDG.
Marine pollutant : No

IATA (air)
Class : This product is not classified according to IATA.

14.6. Special precautions for user

Other information : Country specific variations may apply.

14.7. Maritime transport in bulk according to IMO instruments

Marpol : Not intended to be carried in bulk according to International Maritime Organisation (IMO) instruments. Packaged liquids are not considered bulk.

SECTION 15 REGULATORY INFORMATION

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

Community regulations : Regulation (EU) No 2020/878 (REACH), Regulation (EC) No 1272/2008 (CLP) and other regulations.

15.2. Chemical safety assessment

Chemical safety assessment : Not applicable.

SECTION 16 OTHER INFORMATION

16.1. Other information

The information in this safety data sheet is compiled in compliance with Regulation (EU) No 2020/878 dated 18 June 2020 and accurate to the best of our knowledge and experience at the date of issue specified. It is the user's obligation to use this product safely and to comply with all applicable laws and regulations concerning the use of the product. This safety data sheet complements the technical information sheets but does not replace them and offers no warranty with regard to product properties.

Users are also forewarned for any hazards involved when the product is used for other purposes than those for which it is designed.

Changed or new information with regard to the previous release is indicated with an asterisk (*).

List of abbreviations and acronyms that could be (but not necessarily are) used in this safety data sheet:

ADR : European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE : Acute Toxicity Estimate
CLP : Classification, Labeling & Packaging
CMR : Carcinogenic, Mutagenic or toxic for Reproduction
EEC : European Economic Community
GHS : Globally Harmonized System of Classification and Labelling of Chemicals
IATA : International Air Transport Association
IBC code : International Bulk Chemical Code
IMDG : International Maritime Dangerous Goods Code
LD50/LC50 : Lethal Dose/Concentration for 50% of a population
MAC : Maximum Allowable Concentration
MARPOL : International Convention for the Prevention of Pollution From Ships
NO(A)EL : No Observed (Adverse) Effect Level
OECD : Organisation for Economic Co-operation and Development
PBT : Persistent, Bioaccumulative and Toxic

PC	:	Chemical product category
PT	:	Product type
REACH	:	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	:	Regulations concerning the International Carriage of Dangerous Goods by Rail
STP	:	Sewage Treatment Plant
SU	:	Sector of Use
TWA/STEL	:	Time-Weighted Average/Short Term Exposure Limit
UN	:	United Nations
UFI	:	Unique formula identifier
VOC	:	Volatile Organic Compounds
vPvB	:	Very Persistent and Very Bioaccumulative

Key data used to compile the Safety Data Sheet are from, but not limited to, one or more sources of information e.g. toxicological data from material suppliers, CONCAWE, IFRA, CESIO, Regulation EG 1272/2008, etc.

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008:

Skin Irrit. 2	:	Calculation method.
Aquatic Chronic 3	:	Calculation method.

Full text of hazard classes mentioned in section 3:

Acute Tox. 4	:	Acute toxicity, category 4.
Skin Irrit. 2	:	Skin irritation, category 2.
Eye Irrit. 2	:	Eye irritation, category 2.
Skin Sens. 1/1A/1B	:	Skin sensitization, category 1/1A/1B.
STOT SE 3	:	Specific target organ toxicity after single exposure, category 3.
STOT RE 1	:	Specific target organ toxicity — repeated exposure, category 1.
Aquatic Chronic 2	:	Hazardous to the aquatic environment — Chronic category 2.
Aquatic Chronic 3	:	Hazardous to the aquatic environment — Chronic category 3.

Full text of H-phrases mentioned in section 3:

H302	Harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H335	May cause respiratory irritation.
H372	Causes damage to organs through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Advice on any training appropriate for workers: none.

Number format : "," used as decimal separator.

End of safety data sheet.