

SAFETY DATA SHEET

In accordance with Regulation (EC) No. 2020/878 of June 18, 2020 amending Annex II
to Regulation No. 1907/2006
European Parliament and of the Council on the registration, evaluation, authorization and
applicable restrictions on chemicals (REACH)

SOFT-LINE

Creation date	30th June 2023	Version	7.0 EU
Revision date			

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

- 1.1. Product identifier**
 Substance / mixture SOFT-LINE mixture
 UFI ET9Y-3H6K-900F-26FK
- 1.2. Relevant identified uses of the substance or mixture and uses advised against**
Mixture's intended use
 Full body liquid soap
Mixture uses advised against
 The product should not be used in ways other than those referred in Section 1.
- 1.3. Details of the supplier of the safety data sheet**
Manufacturer
- | | |
|-----------------------------|---|
| Name or trade name | P.W. ROKO Robert Komorniczak |
| Address | ul. Wąska 23, Komorniki, 62-052
Poland |
| Identification number (CRN) | 632379987 |
| VAT Reg No | PL7810004269 |
| Phone | +48618107819 |
| E-mail | biuro@rokochemia.pl |
| Web address | rokochemia.pl |
- Competent person responsible for the safety data sheet**
- | | |
|--------|------------------------------|
| Name | P.W. ROKO Robert Komorniczak |
| E-mail | biuro@rokochemia.pl |
- 1.4. Emergency telephone number**
 European emergency number: 112

SECTION 2: Hazards identification

- 2.1. Classification of the substance or mixture**
Classification of the mixture in accordance with Regulation (EC) No 1272/2008
 The mixture is not classified as dangerous according to Regulation (EC) No 1272/2008.
 Full text of all classifications and hazard statements is given in the section 16.
- 2.2. Label elements**
- Precautionary statements**
- | | |
|----------------|--|
| P101 | If medical advice is needed, have product container or label at hand. |
| P102 | Keep out of reach of children. |
| P264 | Wash hands and exposed parts of the body thoroughly after handling. |
| P280 | Wear eye protection. |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P337+P313 | If eye irritation persists: Get medical advice/attention. |
- Supplemental information**
 EUH208 Contains reaction mass of: 5-chloro-2- methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H - isothiazol-3- one [EC no. 220-239-6] (3:1). May produce an allergic reaction.
 <5 % anionic surfactants, <5 % amphoteric surfactants, <5 % non-ionic surfactants, <5 % EDTA and salts thereof, perfumes, , colorant
- 2.3. Other hazards**
 The mixture does not contain substances with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605. Mixture does not contain any substance meet the criteria for PBT or vPvB in accordance with Annex XIII of Regulation (EC) No. 1907/2006 (REACH) as amended.

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SECTION 3: Composition/information on ingredients

3.2. Mixtures

Mixture contains these hazardous substances and substances with the highest permissible concentration in the working environment

Identification numbers	Substance name	Content in % weight	Classification according to Regulation (EC) No 1272/2008	Note
CAS: 68891-38-3 EC: 500-234-8 Registration number: 01-2119488639-16-XXXX	Alcohols, C12-14, ethoxylated, sulfates, sodium salts	<5	Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 3, H412 Specific concentration limit: Eye Irrit. 2, H319: 5 % ≤ C < 10 % Eye Dam. 1, H318: C ≥ 10 %	
CAS: 61789-40-0 EC: 263-058-8 Registration number: 01-2119513359-38-XXXX	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	<3	Skin Irrit. 2, H315 Eye Irrit. 2, H319	
CAS: 68155-07-7 EC: 931-329-6 Registration number: 01-2119490100-53-XXXX	Amides, C8-18 and C18-unsatd., N,N-bis(hydroxyethyl)	<3	Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 2, H411	
CAS: 56-81-5 EC: 200-289-5	glycerol	<3	not classified as dangerous	
Index: 613-167-00-5 CAS: 55965-84-9	reaction mass of: 5-chloro-2- methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1)	<0,00155	Acute Tox. 3, H301 Acute Tox. 2, H310+H330 Skin Corr. 1C, H314 Skin Sens. 1A, H317 Eye Dam. 1, H318 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=100) EUH071 Specific concentration limit: Eye Irrit. 2, H319: 0.06 % ≤ C < 0.6 % Skin Sens. 1A, H317: C ≥ 0.0015 % Skin Irrit. 2, H315: 0.06 % ≤ C < 0.6 % Skin Corr. 1C, H314: C ≥ 0.6 % Eye Dam. 1, H318: C ≥ 0.6 %	1

Notes

- Note B: Some substances (acids, bases, etc.) are placed on the market in aqueous solutions at various concentrations and, therefore, these solutions require different classification and labelling since the hazards vary at different concentrations. In Part 3 entries with Note B have a general designation of the following type: 'nitric acid ... %'. In this case the supplier must state the percentage concentration of the solution on the label. Unless otherwise stated, it is assumed that the percentage concentration is calculated on a weight/weight basis.

Full text of all classifications and hazard statements is given in the section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Take care of your own safety. If any health problems are manifested or if in doubt, inform a doctor and show him information from this safety data sheet.

If inhaled

Terminate the exposure immediately; move the affected person to fresh air.

If on skin

Remove contaminated clothes.

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If in eyes

Rinse eyes immediately with a flow of running water, open the eyelids (also using force if needed); remove contact lenses immediately if worn by the affected person.

If swallowed

Rinse out the mouth with clean water. In the event of issues, find medical help.

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

If inhaled

Not expected.

If on skin

Not expected.

If in eyes

Not expected.

If swallowed

Not expected.

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

Symptomatic treatment.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Accommodate extinguishing components to the location of fire.

Unsuitable extinguishing media

not available

5.2. Special hazards arising from the substance or mixture

In the event of fire, carbon monoxide, carbon dioxide and other toxic gases may arise. Inhalation of hazardous degradation (pyrolysis) products may cause serious health damage.

5.3. Advice for firefighters

Self-Contained Breathing Apparatus (SCBA) with chemical resistant gloves. Use a self-contained breathing apparatus and full-body protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Follow the instructions in the Sections 7 and 8.

6.2. Environmental precautions

Prevent contamination of the soil and entering surface or ground water.

6.3. Methods and material for containment and cleaning up

After removal of the product, wash the contaminated site with plenty of water.

6.4. Reference to other sections

See the Section 7, 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Prevent formation of gases and vapours in concentrations exceeding the occupational exposure limits. Use personal protective equipment as per Section 8. Observe valid legal regulations on safety and health protection.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed containers in cold, dry and well ventilated areas designated for this purpose.

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Content	Packaging type	Material of package
500 ml	bottle	PET
1 l	bottle	PET
2 l	bottle	PE
5 l	bottle	PET
5 l	jerry can	HDPE

Storage temperature min 5 °C, max 40 °C

7.3. Specific end use(s)
not available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

The mixture contains substances for which occupational exposure limits are set.

DNEL

1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts

Workers / consumers	Route of exposure	Value	Effect	Value determination	Source
Workers (0)	Dermal	12.5 mg/kg bw/day	Chronic effects systemic		
Workers (0)	Inhalation	44 mg/m ³	Chronic effects systemic		
Consumers (0)	Oral	7.5 mg/kg bw/day	Chronic effects systemic		
Consumers (0)	Dermal	7.5 mg/kg bw/day	Chronic effects systemic		

Alcohols, C12-14, ethoxylated, sulfates, sodium salts

Workers / consumers	Route of exposure	Value	Effect	Value determination	Source
Workers (0)	Dermal	2750 mg/kg	Chronic effects systemic		
Workers (0)	Inhalation	175 mg/m ³	Chronic effects systemic		
Consumers (0)	Dermal	1650 mg/kg bw/day	Chronic effects systemic		
Consumers (0)	Inhalation	52 mg/m ³	Chronic effects systemic		
Consumers (0)	Oral	15 mg/kg bw/day	Chronic effects systemic		

Amides, C8-18 and C18 -unsatd., N,N- bis(hydroxyethyl)

Workers / consumers	Route of exposure	Value	Effect	Value determination	Source
Workers (0)	Inhalation	73.4 mg/m ³	Chronic effects systemic		
Workers (0)	Dermal	4.16 mg/kg bw/day	Chronic effects systemic		
Consumers (0)	Inhalation	21.73 mg/m ³	Chronic effects systemic		
Consumers (0)	Dermal	2.5 mg/kg bw/day	Chronic effects systemic		
Consumers (0)	Oral	6.25 mg/kg bw/day	Chronic effects systemic		

PNEC

1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts

Route of exposure	Value	Value determination	Source
Drinking water	0.0135 mg/l		
Marine water	0.00135 mg/kg bw/day		

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1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts

Route of exposure	Value	Value determination	Source
Freshwater sediment	1 mg/kg		
Sea sediments	0.1 mg/kg		
Soil (agricultural)	0.8 mg/kg of dry substance of soil		
Microorganisms in sewage treatment	3000 mg/l		

Alcohols, C12-14, ethoxylated, sulfates, sodium salts

Route of exposure	Value	Value determination	Source
Drinking water	0.24 mg/l		
Marine water	0.024 mg/l		
Water (intermittent release)	0.071 mg/l		
Microorganisms in sewage treatment	10000 mg/l		
Freshwater sediment	0.9168 mg/kg		
Soil (agricultural)	7.5 mg/kg of dry substance of soil		

Amides, C8-18 and C18-unsatd., N,N -bis(hydroxyethyl)

Route of exposure	Value	Value determination	Source
Drinking water	0.007 mg/l		
Marine water	0.0007 mg/l		
Freshwater sediment	0.195 mg/kg of dry substance of sediment		
Sea sediments	0.019 mg/kg of dry substance of sediment		
Microorganisms in sewage treatment	830 mg/l		
Soil (agricultural)	0.0348 mg/kg of dry substance of soil		

8.2. Exposure controls

not available

Eye/face protection

It is not needed.

Skin protection

not available

Respiratory protection

It is not needed.

Thermal hazard

Not available.

Environmental exposure controls

Observe usual measures for protection of the environment, see Section 6.2.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	liquid
Colour	white, red, violet, blue, orange, pink, green, yellow
Odour	according to fragrance
Melting point/freezing point	data not available

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Boiling point or initial boiling point and boiling range	100 °C
Flammability	data not available
Lower and upper explosion limit	data not available
Flash point	data not available
Auto-ignition temperature	data not available
Decomposition temperature	data not available
pH	5,3-5,8 (undiluted)
Kinematic viscosity	data not available
Solubility in water	easily dissolvable in cold water
Partition coefficient n-octanol/water (log value)	data not available
Vapour pressure	data not available
Density and/or relative density	
Density	1,00-1,05 g/cm ³ at 20 °C
Relative vapour density	data not available
Particle characteristics	data not available
Form	liquid: viscous
Amides, C8-18 and C18-unsatd., N,N-bis(hydroxyethyl) (CAS: 68155-07 liquid -7)	

9.2. Other information
not available

SECTION 10: Stability and reactivity

- 10.1. Reactivity**
not available
- 10.2. Chemical stability**
The product is stable under normal conditions.
- 10.3. Possibility of hazardous reactions**
Unknown.
- 10.4. Conditions to avoid**
The product is stable and no degradation occurs under normal use. Protect against flames, sparks, overheating and against frost.
- 10.5. Incompatible materials**
Protect against strong acids, bases and oxidizing agents.
- 10.6. Hazardous decomposition products**
Not developed under normal uses. Dangerous outcomes such as carbon monoxide and carbon dioxide are formed at high temperature and in fire.

SECTION 11: Toxicological information

- 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008**
Inhalation of solvent vapors above values exceeding exposure limits for working environment may result in acute inhalation poisoning, depending on the level of concentration and exposure time. No toxicological data is available for the mixture.

Acute toxicity

Based on available data the classification criteria are not met.

1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts

Route of exposure	Parameter	Method	Value	Exposure time	Species	Sex	Value determination
Dermal	LD ₅₀		>2000 mg/kg		Rabbit		
Oral	LD ₅₀		>2000 mg/kg		Rat (Rattus norvegicus)		
Oral	NOAEL	OECD 414	1000 mg/kg		Rat (Rattus norvegicus)		

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Alcohols, C12-14, ethoxylated, sulfates, sodium salts

Route of exposure	Parameter	Method	Value	Exposure time	Species	Sex	Value determination
Oral	LD ₅₀	OECD 401	>5000 mg/kg		Rat (Rattus norvegicus)		
Dermal	LD ₅₀	OECD 402	>2000 mg/kg		Rat (Rattus norvegicus)		

Amides, C8-18 and C18-unsatd., N,N- bis(hydroxyethyl)

Route of exposure	Parameter	Method	Value	Exposure time	Species	Sex	Value determination
Oral	LD ₅₀		>2000 mg/kg		Rat (Rattus norvegicus)		
Dermal	LD ₅₀		>2000 mg/kg		Rabbit		
Oral	NOAEL		750 mg/kg bw/day		Rat (Rattus norvegicus)		
Dermal	NOAEL		50 mg/kg bw/day		Rat (Rattus norvegicus)		

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Route of exposure	Parameter	Method	Value	Exposure time	Species	Sex	Value determination
Oral	ATE		244600 mg/kg				Calculation of value
Dermal	ATE		10410000 mg/kg				Calculation of value
Inhalation (vapor)	ATE		104100 mg/l				Calculation of value

Skin corrosion/irritation

Based on available data the classification criteria are not met.

Serious eye damage/irritation

Based on available data the classification criteria are not met.

Respiratory or skin sensitisation

Based on available data the classification criteria are not met.

Germ cell mutagenicity

Based on available data the classification criteria are not met.

Carcinogenicity

Based on available data the classification criteria are not met.

Reproductive toxicity

Based on available data the classification criteria are not met.

Toxicity for specific target organ - single exposure

Based on available data the classification criteria are not met.

Toxicity for specific target organ - repeated exposure

Based on available data the classification criteria are not met.

Aspiration hazard

Based on available data the classification criteria are not met.

11.2. Information on other hazards

The mixture does not contain substances with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

SECTION 12: Ecological information

12.1. Toxicity

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Acute toxicity

1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts

Parameter	Method	Value	Exposure time	Species	Environment
EC ₅₀		2.4 mg/l	72 hours	Algae and other aquatic plants	
EC ₅₀	OECD 202	1.9 mg/l	48 hours	Daphnia (Daphnia magna)	
LC ₅₀	OECD 203	1.11 mg/l	96 hours	Fish	
NOEC	OECD 211	0.3 mg/l	21 days	Daphnia (Daphnia magna)	
NOEC	OECD 210	0.135 mg/l	14 days	Fish (Oncorhynchus mykiss)	
Log Pow		4.2			

Alcohols, C12-14, ethoxylated, sulfates, sodium salts

Parameter	Method	Value	Exposure time	Species	Environment
LC ₅₀	OECD 203	>10-100 mg/l	96 hours	Fish (Leuciscus idus)	

Amides, C8-18 and C18-unsatd., N,N-bis(hydroxyethyl)

Parameter	Method	Value	Exposure time	Species	Environment
LC ₅₀	OECD 203	2.4 mg/l	96 hours	Fish (Oncorhynchus mykiss)	
NOEC	OECD 204	0.32 mg/kg	28 days	Fish (Oncorhynchus mykiss)	
LOEC	OECD 215	1 mg/l	28 days	Fish (Oncorhynchus mykiss)	
LC ₅₀	OECD 203	4.9 mg/l	96 hours	Fish	
EC ₅₀	OECD 202	3.2 mg/l	48 hours	Daphnia (Daphnia magna)	
EC ₅₀	OECD 202	3.3 mg/l	24 hours	Daphnia (Daphnia magna)	
NOEC	OECD 211	0.1 mg/l	21 days	Daphnia (Daphnia magna)	
LOEC	OECD 211	0.32 mg/l	21 days	Daphnia (Daphnia magna)	
EC ₅₀	OECD 201	3.9 mg/l	72 hours	Algae (Desmodesmus subspicatus)	
NOEC	OECD 201	0.3 mg/l	72 hours	Algae (Desmodesmus subspicatus)	

12.2. Persistence and degradability

Biodegradability

1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts

Parameter	Method	Value	Exposure time	Environment	Result
		95 %	28 days		

Alcohols, C12-14, ethoxylated, sulfates, sodium salts

Parameter	Method	Value	Exposure time	Environment	Result
					Easily biodegradable

Amides, C8-18 and C18-unsatd., N,N-bis(hydroxyethyl)

Parameter	Method	Value	Exposure time	Environment	Result
	OECD 301B	92.5 %	28 days		

not available

12.3. Bioaccumulative potential

Not available.

12.4. Mobility in soil

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Not available.

12.5. Results of PBT and vPvB assessment

Product does not contain any substance meeting the criteria for PBT or vPvB in accordance with the Annex XIII of Regulation (EC) No 1907/2006 (REACH) as amended.

12.6. Endocrine disrupting properties

The mixture does not contain substances with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

12.7. Other adverse effects

Not available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Hazard of environmental contamination; dispose of the waste in accordance with the local and/or national regulations. Proceed in accordance with valid regulations on waste disposal. Any unused product and contaminated packaging should be put in labelled containers for waste collection and submitted for disposal to a person authorised for waste removal (a specialized company) that is entitled for such activity. Do not empty unused product in drainage systems. The product must not be disposed of with municipal waste. Empty containers may be used at waste incinerators to produce energy or deposited in a dump with appropriate classification. Perfectly cleaned containers can be submitted for recycling.

Waste management legislation

Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste, as amended. Decision 2000/532/EC establishing a list of wastes, as amended.

SECTION 14: Transport information

14.1. UN number or ID number

not subject to transport regulations

14.2. UN proper shipping name

not relevant

14.3. Transport hazard class(es)

not relevant

14.4. Packing group

not relevant

14.5. Environmental hazards

not relevant

14.6. Special precautions for user

Reference in the Sections 4 to 8.

14.7. Maritime transport in bulk according to IMO instruments

not relevant

SECTION 15: Regulatory information

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

Regulation (EC) No. 1907/2006 of the European Parliament and of the Council of 18th December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing the European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No. 793/93 and Commission Regulation (EC) No. 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, as amended. REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. REGULATION (EC) No 648/2004 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 31 March 2004 on detergents, as amended. Commission Regulation (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

15.2. Chemical safety assessment

not available

SECTION 16: Other information

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A list of standard risk phrases used in the safety data sheet

H301	Toxic if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
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.
H310+H330	Fatal in contact with skin or if inhaled.

Guidelines for safe handling used in the safety data sheet

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P264	Wash hands and exposed parts of the body thoroughly after handling.
P280	Wear eye protection.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313	If eye irritation persists: Get medical advice/attention.

A list of additional standard phrases used in the safety data sheet

EUH208	Contains reaction mass of: 5-chloro-2- methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H - isothiazol-3- one [EC no. 220-239-6] (3:1). May produce an allergic reaction.
EUH071	Corrosive to the respiratory tract.

Other important information about human health protection

The product must not be - unless specifically approved by the manufacturer/importer - used for purposes other than as per the Section 1. The user is responsible for adherence to all related health protection regulations.

Key to abbreviations and acronyms used in the safety data sheet

ADR	European agreement concerning the international carriage of dangerous goods by road
BCF	Bioconcentration Factor
CAS	Chemical Abstracts Service
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substance and mixtures
EC	Identification code for each substance listed in EINECS
EC ₅₀	Concentration of a substance when it is affected 50% of the population
EINECS	European Inventory of Existing Commercial Chemical Substances
EmS	Emergency plan
EU	European Union
EuPCS	European Product Categorisation System
IATA	International Air Transport Association
IBC	International Code For The Construction And Equipment of Ships Carrying Dangerous Chemicals
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
INCI	International Nomenclature of Cosmetic Ingredients
ISO	International Organization for Standardization
IUPAC	International Union of Pure and Applied Chemistry
LC ₅₀	Lethal concentration of a substance in which it can be expected death of 50% of the population
LD ₅₀	Lethal dose of a substance in which it can be expected death of 50% of the population
log Kow	Octanol-water partition coefficient
NOAEL	No observed adverse effect level
NOEC	No observed effect concentration
OEL	Occupational Exposure Limits
PBT	Persistent, Bioaccumulative and Toxic

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ppm	Parts per million
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Agreement on the transport of dangerous goods by rail
UN	Four-figure identification number of the substance or article taken from the UN Model Regulations
UVCB	Substances of unknown or variable composition, complex reaction products or biological materials
VOC	Volatile organic compounds
vPvB	Very Persistent and very Bioaccumulative

Acute Tox.	Acute toxicity
Aquatic Acute	Hazardous to the aquatic environment
Aquatic Chronic	Hazardous to the aquatic environment (chronic)
Eye Dam.	Serious eye damage
Skin Corr.	Skin corrosion
Skin Sens.	Skin sensitization

Training guidelines

Inform the personnel about the recommended ways of use, mandatory protective equipment, first aid and prohibited ways of handling the product.

Recommended restrictions of use

not available

Information about data sources used to compile the Safety Data Sheet

REGULATION (EC) No. 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL (REACH) as amended. REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. Data from the manufacturer of the substance / mixture, if available - information from registration dossiers.

The changes (which information has been added, deleted or modified)

The version 7.0 replaces the SDS version from 29 December 2022. Changes were made in sections 1, 2, 11, 15 and 16.

More information

Classification procedure - calculation method.

Statement

The safety data sheet provides information aimed at ensuring safety and health protection at work and environmental protection. The provided information corresponds to the current status of knowledge and experience and complies with valid legal regulations. The information should not be understood as guaranteeing the suitability and usability of the product for a particular application.