

SAFETY DATA SHEET

in accordance with Regulation (EC) No 1907/2006 of the
European Parliament as amended



AMETHYST Rim Cleaner

Prepared on 30/03/2021
Updated on Version number 1.0

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

- Product identifier**
Substance / mixture AMETHYST Rim Cleaner
UFI mixture T800-F0EE-W00K-T2CN
Other names for the mixture AMETHYST (rim cleaner)
- Relevant identified uses of the substance or mixture and uses advised against**
Intended uses of the mixture
Cleaning agent.
Uses of the mixture advised against
Do not use for uses other than those indicated in section 1.
Main intended use
PC-CLN-17.6 Chromium, rim and other metal cleaners — all vehicle types
- Details of the supplier of the safety data sheet**
Supplier
Name or business name AUTO-BLAK Sp. Z.o.
Address Farbiarska 25a, 02-862 Warsaw, Poland
NIP No. PL1230950444
Telephone No. +48 22 899 19 66
E-mail serwis@auto-blak.pl
E-mail address of the competent person responsible for the Safety Data Sheet
Name Auto Graph Detailing
E-mail hello@auto-graph.eu
- Emergency telephone number**
112

SECTION 2: Hazards identification

- Classification of the substance or mixture**
Classification of the mixture in accordance with Regulation (EC) No. 1272/2008
The mixture is classified as hazardous.

Acute Tox. 4, H302
Skin Sens. 1, H317
Eye Dam. 1, H318

Full text of all classifications and H statements is provided in section 16.
The most serious negative effects on human health and the environment
May cause an allergic skin reaction. Causes serious eye damage. Harmful if swallowed.
- Label elements**



Hazard pictogram

Signal word

Danger

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Hazardous substances

Sodium thioglycolate
Alcohols, C12-15 (even numbered), ethoxylated <2.5TE, sulphate sodium salts Alcohols, C12-15, ethoxylated
Alcohols, C9-11, branched and linear, ethoxylated 5-20 TE
potassium thiocyanate
benzaldehyde
2-phenoxyethanol

Hazard statements

H302 Harmful if swallowed.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand. P102 Keep out of reach of children.
P280 Wear protective gloves.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P310 Immediately call a doctor
P333+P313 If skin irritation or a rash occurs: Get medical advice/attention.
P362+P364 Take off contaminated clothing and wash it before reuse.
P501 Dispose of contents/container to an authorised waste disposal point or return to the supplier.

Additional information

<5% anionic surfactants, <5% amphoteric surfactants, <5% non-ionic surfactants, aromatic compositions

Requirements for child-resistant closures and tactile warnings

The packaging must be fitted with a tactile danger warning to alert the blind.

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

SECTION 3: Composition/information on ingredients

2. Mixtures

Chemical description

Mixture of substances and additives specified below.

The mixture contains the following hazardous substances and substances with specified occupational exposure limits

Identification numbers	Substance name	Content in % weight	Classification in accordance with Regulation (EC) No.	Note
CAS: 367-51-1 EC: 206-696-4 Registration number:	Sodium thioglycolate	10-12	1272/2008 Met. Corr. 1, H290 Acute Tox. 3, H301 Acute Tox. 4, H312	
01-2119968564-24 CAS: 34590-94-8	(2-	1.5-2	Skin Sens. 1, H317 it is not classified as	1
EC: 252-104-2 CAS: 68891-38-3 EC: 500-234-8	Alcohols C12-14 (even numbered), ethoxylated	1-2	hazardous Skin Irrit. 2, H315	2

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Identification numbers	Substance name	Content in % weight	Classification in accordance with Regulation (EC) No. 1272/2008	Note
CAS: 61789-40-0	1-Propanaminium, 3-amino-N-			
EC: 263-058-8 Registration number: 01-2119488533-30	(carboxymethyl)-N,N-dimethyl-, NC8-18-acyl derivatives, hydroxides, neutral salt Alcohols, C12-15, ethoxylated	1-2	Eye Dam. 1, H318 Aquatic Chronic 3, H412	
CAS: 68131-39-5 EC: 500-195-7	Alcohols, C9-11, branched and linear, ethoxylated 5-20 TE	1-1.4	Acute Tox. 4, H302 Eye Dam. 1, H318 Aquatic Chronic 3, H412	
CAS: 160901-09-7 EC: 500-446-0	potassium thiocyanate	0.5-1	Acute Tox. 4, H302 Eye Dam. 1, H318	
Index: 615-004-00-3 CAS: 333-20-0 EC: 206-370-1 Registration number: 01-2119543697-26-xxxx	benzaldehyde	0.25	Acute Tox. 4, H302+H312+H332 Eye Dam. 1, H318 Aquatic Chronic 3, H412 EUH032	
Index: 605-012-00-5 CAS: 100-52-7 EC: 202-860-4	2-phenoxyethanol	0.1-0.36	Acute Tox. 4, H302	1
Index: 603-098-00-9 CAS: 122-99-6 EC: 204-589-7		≤0.1	Acute Tox. 4, H302 Eye Irrit. 2, H319	1

Notes

1. Substance with a Community workplace exposure limit.
2. Substances of Unknown or Variable Composition, Complex Reaction Products and Biological Materials - UVCB. Full text of all classifications and H statements is provided in section 16.

SECTION 4: First aid measures

1. Description of first aid measures

Take care of your own safety. If any health problems are manifested or if in doubt, inform a physician and show them information from the product safety data sheet. In the event of unconsciousness, place the victim in a stable position on their side, head slightly tilted to maintain their airway, never induce vomiting. If the victim vomits spontaneously, care should be taken to prevent suffocation from vomit. In the event of a life-threatening situation, first resuscitate the victim and seek medical attention. Apnoea - perform artificial respiration immediately. Cardiac arrest - perform indirect cardiac massage immediately.

Inhalation

Stop exposure immediately, remove victim to fresh air. Protect the victim from catching a cold. Provide medical attention if irritation, shortness of breath or other symptoms persist.

Skin contact

Remove contaminated clothing Put away contaminated clothing. Rinse the contact area with a large volume of - if possible - lukewarm water. If the skin is not injured, you can use soap, soapy water or shampoo. Provide medical attention if irritation persists.

Eye contact

Rinse eyes immediately with a stream of water, lift the eyelids (even with force); if the victim wears contact lenses, remove them immediately. Rinse eyes immediately with a stream of water, lift the eyelids (even with force); if the victim wears contact lenses, remove them immediately. Do not neutralise in any case! Rinse for 10-30 minutes from the inner to the outer corner to prevent the other eye from becoming contaminated. Depending on the situation, call an ambulance or provide medical attention as soon as possible. Everyone should be referred for tests, even in the case of minor contamination.

Ingestion

DO NOT INDUCE VOMITING - Even induction of vomiting alone can cause complications, for example in the case of detergents and other foam-producing substances.

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2. Most important symptoms, acute and delayed and effects of exposure Inhalation

Inhalation of vapour may cause damage to the respiratory system.

Skin contact

May cause an allergic skin reaction. **Eye**

contact Causes serious eye damage.

Ingestion

The digestive system may be damaged.

3. Indication of immediate medical attention and special treatment needed, if necessary

Symptomatic treatment

SECTION 5: Firefighting measures

1. Extinguishing media

Suitable extinguishing media

Alcohol-resistant foam, carbon dioxide, powder, water spray, water mist.

Not suitable extinguishing media

Water - full jet.

2. Specific 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.

3. Advice for firefighter

Self-Contained Breathing Apparatus (SCBA) with a chemical protection suit only where personal (close) contact is likely. Use a self-contained breathing apparatus and full-body protective clothing. Do not allow contaminated fire extinguishing material to enter drains or surface and ground water.

SECTION 6: Accidental release measures

1. Personal precautions, protective equipment and emergency procedures

Use personal protective equipment for work. Follow the instructions provided in Sections 7 and 8. Prevent contact with skin and eyes.

2. Environmental precautions

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

3. Methods and material for containment and cleaning up

Cover spilled product with suitable (non-flammable) absorbent material (sand, silica, soil and other suitable absorbent materials, etc.); collect in well-closed vessels and dispose of according to Section 13. In the event of leakage of the substantial amount of the product, inform the fire brigade and other competent authorities. After removal of the product, wash the contaminated site with plenty of water. Do not use solvents.

4. Reference to other sections

See sections 7, 8 and 13.

SECTION 7: Handling and storage of substances and mixtures

1. Precautions for safe handling

Prevent the formation of gases and vapours in concentrations exceeding the occupational exposure limits. Prevent contact with skin and eyes. Contaminated workwear should not be allowed out of the workplace. When using the product, do not eat, drink or smoke. Wash hands and affected body parts thoroughly after handling. Use personal protective equipment in accordance with Section 8. Observe valid legal regulations on safety and health protection.

2. Conditions for safe storage, including any incompatibilities

Store in tightly closed containers in a dedicated, cool, dry and well ventilated place.

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Content	Type of packaging	Packaging material
500 ml	bottle	HDPE
1,000 ml	bottle	HDPE
5 l	canister	HDPE
10 l	canister	HDPE
25 l	canister	HDPE
20 l	canister	HDPE
30 l	canister	HDPE
100 l	barrel	HDPE
200 l	barrel	HDPE
750 ml	barrel	HDPE

3. Specific end use(s)
data not available

SECTION 8: Exposure controls/personal protection

1. Control parameters

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

Poland

Journal of Laws 2018

Substance name	Typ	Value	Note
(2-methoxymethylethoxy)propanol (CAS: 34590-	TLV	240 mg/m ³	Labelling the substance with the notation means that the absorption of the substance through the skin may be as important as in the
	STEL	480 mg/m ³	
benzaldehyde (CAS: 100-52-7)	TLV	10 mg/m ³	
	STEL	40 mg/m ³	
2-phenoxyethanol (CAS:	TLV	230 mg/m ³	

item 1286

DNEL

(2-

consumers	Route of exposure	Value	Effect method	Determining
Workers		308 mg/m ³ air		
Workers	Dermal Inhalation	283 mg/kg bw/day	Systemic chronic effects	
Consumers		37.2 mg/m ³ air	Systemic chronic effects	
Consumers	Dermal Ingestion	121 mg/kg bw/day	Systemic chronic effects	
Workers		36 mg/kg	Systemic chronic effects	

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1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, NC8-18-acyl derivatives, hydroxides, neutral salt

Workers / consumers	Route of exposure	Value 44 mg/m ³	Effect	Determining method
Workers	Inhalation	12.5 mg/kg bw/day	Systemic chronic effects Systemic chronic effects	
Consumers	Inhalation	13.04 mg/m ³	Systemic chronic effects Systemic chronic effects	
Consumers	Dermal	7.5 mg/kg bw/day		

2-

Workers / consumers	Route of exposure	Value	Effect	Determining method
Workers	Inhalation	5.7 mg/m ³ air	Systemic chronic effects Local chronic effects Systemic chronic effects	
Workers	Inhalation	5.7 mg/m ³ air	Systemic chronic effects	
Workers	Dermal	20.83 mg/kg bw/day	Local chronic effects Systemic chronic effects	
Consumers	Inhalation	2.41 mg/m ³ air	chronic effects Systemic chronic effects	
Consumers	Inhalation	2.41 mg/m ³ air	chronic effects Systemic chronic effects	
Consumers	Dermal	10.42 mg/kg bw/day		
Consumers	Ingestion	9.23 mg/kg bw/day	Short-term systemic effects	
Consumers		9.23 mg/kg bw/day		

Alcohols C12-14 (even numbered), ethoxylated <2.5TE, sulphate sodium salts

Workers / consumers	Route of exposure	Value 175 mg/m ³	Effect	Determining method
Workers	Inhalation	52 mg/m ³	Systemic chronic effects Systemic chronic effects	
Workers	Inhalation	2750 mg/kg bw/day	effects	
Workers	Dermal	0.132 mg/cm ²	Local chronic effects Systemic chronic effects	
Consumers	Dermal	1650 mg/kg bw/day	chronic effects Local chronic effects	
Consumers	Ingestion	0.079 mg/cm ²	effects Systemic chronic effects	
Workers		15 mg/kg bw/day		

Alcohols, C12-15, ethoxylated

Workers / consumers	Consumers	Route of exposure	Effect	Determining method
Workers		Inhalation	Inhalation	
Consumers		Dermal		
Consumers		Ingestion		
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Value 294 mg/m³

87 mg/m³

1250 mg/kg bw/day

25 mg/kg bw/day

Effect

Systemic chronic effects
Systemic chronic effects
Systemic chronic effects

Systemic chronic effects

Determining method

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Alcohols, C9-11, branched and linear, ethoxylated 5-20 TE

Workers / consumers	Route of exposure	Value 294 mg/m ³	Effect	Determining method
Workers			Systemic chronic effects Systemic	
Consumers	Inhalation	87 mg/m ³	chronic effects Systemic chronic	
Workers	Inhalation Dermal	2080 mg/kg bw/day	effects	
Consumers	Dermal Ingestion	1250 mg/kg bw/day	Systemic chronic effects Systemic	
Workers		25 mg/kg bw/day	chronic effects	

benzaldehyd

e	Route of exposure	Value 9.8 mg/m ³	Effect	Determining method
Workers / consumers	Inhalation		Systemic chronic effects Local	
Workers	Inhalation	9.8 mg/m ³	chronic effects Systemic chronic	
Workers	Inhalation	4.9 mg/m ³	effects Systemic chronic effects	
Workers	Inhalation	4.9 mg/m ³	Systemic chronic effects	
Consumers	Dermal	1.14 mg/kg bw/day		
Consumers	Dermal		Systemic chronic effects Systemic	
Workers	Ingestion	0.67 mg/kg bw/day	chronic effects	
Consumers	Route of exposure	0.67 mg/kg bw/day		

Consumers

Sodium thioglycolate

Workers / consumers	Route of exposure	Value 1.41 mg/m ³	Effect	Determining method
Workers / consumers	Dermal		Systemic chronic effects Systemic	
Workers / consumers	Dermal	2.06 mg/kg bw/day	chronic effects	
Workers		0.9 mg/kg bw/day	Systemic chronic effects Local	
Workers		0.004 mg/cm ²	chronic effects	
Consumers				

Workers

PNEC

1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, NC8-18-acyl derivatives, hydroxides, neutral salt

Route of exposure method	Value	Determining
Drinking water	0.013 mg/l	
Seawater	0.001 mg/l	
Freshwater sediments	11.1 mg/kg	
Sea sediments	1.11 mg/kg	
Microorganisms in wastewater treatment plants	300 mg/l	

0.85 mg/kg of soil dry matter
Soil (agricultural)

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Alcohols C12-14 (even numbered), ethoxylated <2.5TE, sulphate sodium salts

Route of exposure	Value	Determining
Drinking water	240 µg/l	
Water (periodic leak)	71 µg/l	
Seawater	24 µg/l	
Microorganisms in	10 a/l	

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Alcohols C12-14 (even numbered), ethoxylated <2.5TE, sulphate sodium salts

Route of exposure	Value	Determining
method Freshwater sediments	0.9168 mg/kg of sediment dry matter	
Sea sediments	0.09168 mg/kg of sediment dry matter	

Alcohols, C12-15, ethoxylated

Route of exposure	Value	Determining
method Drinking water	51.4 µg/l	
Seawater	5.1 µg/l	
Water (periodic leak)	1.4 µg/l	
Microorganisms in wastewater treatment plants	10 g/l	
Freshwater sediments	81.64 mg/kg of dry weight of sediment	
Sea sediments	8.16 mg/kg of dry weight of sediment	

sediments

Alcohols, C9-11, branched and linear, ethoxylated 5-20 TE

Route of exposure	Value	Determining
method Drinking water	103.79 µg/l	
Water (periodic leak)	14 µg/l	
Seawater	103.79 µg/l	
Microorganisms in wastewater treatment plants		1.4 mg/l
Freshwater sediments		13.7 mg/kg of dry weight of sediment
Sea sediments		13.7 mg/kg of dry weight of sediment

sediments Sea

Value 0.41 µg/l

sediments

10.7 µg/l

0.041 µg/l

benzaldehyde

7.59 mg/l

Route of exposure	Value	Determining
exposure		0.004 mg/kg of dry weight of sediment
		0.0004 mg/kg of dry weight of sediment
Drinking water		
Water (periodic leak)		
Seawater		
Drinking water		
Freshwater		

sediments Sea

sediments Sodium

Route of exposure	Value	Determining
thioglycolate		
Drinking water	38 µg/l	
Water (periodic leak)	380 µg/l	
Seawater	3.8 µg/l	
Microorganisms in	3.2 mg/l	

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2. Exposure controls

Follow the usual measures intended for health protection at work and especially for good ventilation. This can be achieved by local air suction or efficient general ventilation. Do not eat, drink and smoke during work. Wash your hands thoroughly with water and soap after work and before breaks for a meal and rest.

Eye protection

Protective goggles or face shield (based on the nature of the work performed).

Skin protection

Hand protection: Protective gloves resistant to the product. When choosing appropriate thickness, material and permeability of the gloves, observe recommendations of their particular manufacturer. Observe other recommendations of the manufacturer. Other protection: protective workwear. Contaminated skin should be washed thoroughly.

Respiratory protection

A half-mask with a filter against organic vapours, or an isolating respirator in the event of exceeding the level of the substance or in an environment with poor ventilation.

Thermal hazard

Data not available.

Environmental exposure control

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

SECTION 9: Physical and chemical properties

1. Information on basic physical and chemical properties

Physical state	liquid
Colour	violet
Odour	data not available
Melting point/freezing point	data not available
available Boiling point or initial boiling point and boiling range	data not available
Flammability of the materials	data not available
Lower and upper explosive limit	data not available
Flash point	data not available
Autoignition temperature	data not available
Decomposition temperature	data not available
pH	6-8 (undiluted)
Kinematic viscosity	data not available
Solubility in water	data not available
Partition coefficient: n-octanol/water (log value)	data not available
Vapour pressure	data not available
Density or relative density density	0.9 -1.1 g/cm ³
Relative vapour density	data not available
Particle characteristics	data not available

2. Other information

data not available

SECTION 10: Stability and reactivity

1. Reactivity

data not available

2. Chemical stability

The product is stable under normal conditions.

3. Possibility of hazardous reactions

Unknown.

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4. Conditions to avoid

The product is stable and no degradation occurs under normal use. Protect against flames, sparks, overheating and against frost.

5. Incompatible materials

Protect against strong acids and bases as well as oxidising agents.

6. Hazardous decomposition products

Under normal conditions of use, hazardous decomposition products should not be produced. Dangerous products such as carbon monoxide and carbon dioxide are formed at high temperature and in fire.

SECTION 11: Toxicological information

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

Inhalation of solvent vapours above the occupational exposure limits may lead to acute inhalation poisoning, depending on the concentration level and duration of exposure. No toxicological data is available for the mixture.

Acute toxicity

Harmful if swallowed.

(2-methoxymethylethoxy)propanol

Route of exposure	Parameter	Value	exposure	Species	Sex
Ingestion	LD ₅₀	>5,000 mg/		Rat (Rattus norvegicus)	
Dermal	LD ₅₀	>9500 mg/kg		Rat (Rattus norvegicus)	
Inhalation	LC ₅₀	>275 ppm	7 godz	Rat (Rattus norvegicus)	

1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, NC8-18-acyl derivatives, hydroxides, neutral salt

Route of exposure	Parameter	Method	Value	Time of exposure	Species	Sex
Ingestion	LD ₅₀		2335 mg/kg		Rat (Rattus norvegicus)	F/M

2-phenoxyethanol

Route of exposure	Parameter	Method	Value	Time of exposure	Species	Sex
Inhalation		OECD 412	>1,000 mg/m ³ air	6 hours	Rat (Rattus norvegicus)	F/M
Dermal	LD ₅₀		>2214 mg/kg		Rabbit	F/M
Ingestion	LD ₅₀	OECD 401	1840 mg/kg		Rat (Rattus norvegicus)	F

Alcohols C12-14 (even numbered), ethoxylated <2.5TE, sulphate sodium

Route of exposure	Parameter	Method	Value	Time of exposure	Species	Sex
			>2000 mg/kg		Rat (Rattus norvegicus)	F/M
Ingestion	LD ₅₀		4100 mg/kg		Rat (Rattus norvegicus)	F/M

Alcohols, C12-15, ethoxylated

Route of exposure	Parameter	Method	Value	Time of exposure	Species	Sex

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Ingestion LD ₅₀		>300 mg/kg		Rabbit	

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Alcohols, C9-11, branched and linear, ethoxylated 5-20 TE

Route of exposure	Parameter	Method	Value	Time of exposure	Species	Sex
Ingestion	LD ₅₀		>1200 mg/kg		Rat (Rattus norvegicus)	

benzaldehyde

Route of exposure	Parameter	Method	Value	Time of exposure	Species	Sex
Ingestion	LD ₅₀		1292 mg/kg		Rat (Rattus norvegicus)	F/M
LD ₅₀ Dermal			1250 mg/kg		Rabbit	F/M

potassium thiocyanate

Route of exposure	Parameter	Method	Value	Time of exposure	Species	Sex
Ingestion	LD ₅₀		655.56 mg/kg		Rat (Rattus norvegicus)	F/M
Inhalation (dust/mist)	LD ₅₀		1.52 mg/l	4	Rat (Rattus norvegicus)	F/M

Sodium thioglycolate

Route of exposure	Parameter	Method	Value	Time of exposure	Species	Sex
Ingestion	LD ₅₀	OECD 423	50 mg/kg		Rat (Rattus norvegicus)	
LD ₅₀		OECD 402	1,000 mg/		Rat (Rattus norvegicus)	
Inhalation	LC ₅₀	OECD 403	2729 ml/l	4	Rat (Rattus norvegicus)	

Skin corrosion/irritation

Based on available data the classification criteria are not met.

Serious eye damage/irritation

Causes serious eye damage. 2-

phenoxyethanol

Route of exposure	Result	Method	Time of exposure	Species
Eyes	Irritating	OECD 405	360	Rabbit

Alcohols, C9-11, branched and linear, ethoxylated 5-20 TE

Route of	Result	Method	Time of exposure	Species
	Irritating			Rabbit

Respiratory or skin sensitisation

May cause an allergic skin reaction.

Germ cell mutagenicity

Based on available data the classification criteria are not met.

Carcinogenicity

Based on available data the classification criteria are not met.

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Reproductive toxicity

Based on available data the classification criteria are not met.

Specific target organ toxicity – single exposure

Based on available data the classification criteria are not met.

Specific target organ toxicity – repeated exposure

Based on available data the classification criteria are not met.

Aspiration hazard

Based on available data the classification criteria are not met.

2. Information on other hazards

data not available

SECTION 12: Ecological information

1. Toxicity

Acute toxicity

Data for the mixture are not available.

1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, NC8-18-acyl derivatives, hydroxides, neutral salt

Parameter	Method	Value	Time of exposure	Species	Environment
LC ₅₀		1.1 mg/l	96 hours	Fish (Pimephales promelas)	Seawater
LC ₅₀		1.11 mg/l	96 hours	Fish (Pimephales promelas)	Fresh water

Alcohols C12-14 (even numbered), ethoxylated <2.5TE, sulphate sodium salts

Parameter	Method	Value	Time of exposure	Species	Environment
CE ₅₀				27 mg/l	>100 mg/l
CE ₅₀	Sodium			7.2 mg/l	
LC ₅₀	thio			7.1 mg/l	
NOEC	glyc			0.18 mg/l	
NOEC	olat			1 mg/l	

potassium thiocyanate

Parameter	Method	Value	Time of exposure	Species	Environment
thiocyanate	Method OECD 203	83 mg/l			
Parameter	er OECD 202	4.54 mg/l			
LC ₅₀	LC ₅₀				
CE ₅₀	Method OECD 203	Value			

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72 hours	Algae	c	Fresh water
	e		
48 hours	(Desmoussi	Fish	Fresh water
	desmus	(Oncorhynchus mykiss)	Fresh water
96 hours	subspicatus)		Fresh water
21 days			
45 days			Environment
	Daphnia (Daphnia magna)		
Time of exposure 96 hours			Environment
48 hours	Fish (Branchydanio rerio)		
Time of exposure 96 hours	Daphnia (Daphnia magna)		
	Fish (Pimephales promelas)		
	Species		
	Fish (Oncorhynchus mykiss)		
	Daphnia (Daphnia magna)		
	Species		

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Sodium thioglycolate

Parameter	Method	Value	Time of exposure	Species	Environment
LC ₅₀	EU C.2	38 mg/l	48	Daphnia (Daphnia magna)	
LC ₅₀	(84/449/EEC)		hours		
CE ₅₀	OECD 201	>100 mg/l	72	Algae (Desmodesmus subspicatus)	
	OECD 209	530 mg/l	3 hours	Bacteria	

2. Persistence and degradability

1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, NC8-18-acyl derivatives, hydroxides, neutral salt

Parameter	Value	Time of exposure	Environments	Result
	76.3 %	28 days		Easily biodegradable The

mixture is biodegradable.

3. Bioaccumulative potential

1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, NC8-18-acyl derivatives, hydroxides, neutral salt

Parameter	Value	Time of exposure	Species	Environment	Ambient temperature
log K _{ow}	7.1				[°C]

Log Pow -1.38

Data not available.

4. Mobility in soil

Data not available.

5. Results of PBT and vPvB assessment

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

6. Endocrine disrupting properties

data not available

7. Other adverse effects

Data not available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Hazard of environmental contamination; dispose of the waste in accordance with The Act of 14 December 2012 on waste (Journal of Laws of 2020, item 797, as amended) and the executive regulations on waste disposal.

Waste management legislation

Act of 14 December 2012 on waste (Journal of Laws of 2020, item 797, as amended). Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste, as amended. Directive 94/62/EC on packaging and packaging waste. Regulation of the Minister of Climate of 2 January 2020 on the catalogue of wastes (Journal of Laws of 2020, item 10)

Waste type code

20 01 29 Detergents containing dangerous substances *

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Packaging waste type code

15 01 02 Plastic packaging

(*) - hazardous waste according to Directive 2008/98/EC on hazardous waste

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SECTION 14: Transport information

- 1. UN number or ID number**
Not subject to ADR
- 2. UN proper shipping name**
data not available
- 3. Transport hazard class(es)**
data not available
- 4. Packing group**
data not available
- 5. Environmental hazards**
not applicable
- 6. Special precautions for users**
Reference in sections 4 to 8.
- 7. Maritime transport in bulk according to IMO instruments**
not applicable

SECTION 15: Regulatory information

- 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 18 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 (Journal of Laws L 396 of 30 December 2006, 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 (Journal of Laws L 203 of 26 June 2020, as amended).
REGULATION (EC) NO. 648/2004 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 31 March 2004 on detergents (Journal of Laws L 104 of 8.4.2004, as amended).
Regulation (EC) No. 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No. 1907/2006 (Journal of Laws L 353 of 31 December 2008, as amended).
European agreement concerning the international carriage of dangerous goods by road (ADR), concluded in Geneva on 30 September 1957.
Act of 25 February 2011 on the chemical substances and their mixtures (Journal of Laws of 2011 No. 63 item 322, as amended). Act of 14 December 2012 on waste (Journal of Laws of 2013, item 21, as amended).
Act of 13 June 2013 on packaging management and packaging waste (Journal of Laws of 2013, item 888, as amended).
Act of 19 August 2011 on the transport of dangerous goods (Journal of Laws of 2011 No. 227, item 1367, as amended). Regulation of the minister of health of 30 December 2004 on health and safety at work associated with the presence of chemical agents in the workplace (Journal of Laws of 2005 No. 11 item 86, as amended).
- 2. Chemical safety assessment**
A safety assessment for the mixture is not required.

SECTION 16: Other information

A list of hazard statements used in the safety data sheet

H- it is not classified as hazardous

H290	May be corrosive to metals.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.

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H412 Harmful to aquatic life with long-lasting effects. H302+H312+H332 Harmful if swallowed, in contact with skin or if inhaled.

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A list of precautionary statements 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.
P280 Wear protective gloves.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P310 Immediately call a doctor
P333+P313 If skin irritation or a rash occurs: Get medical advice/attention.
P362+P364 Take off contaminated clothing and wash it before reuse.
P501 Dispose of contents/container to an authorised waste disposal point or return to the supplier.

A list of additional hazard statements used in the safety data sheet

EUH032 Contact with acids liberates very toxic gas.

Further information important for the safety and protection of human health

The product must not be - unless specifically approved by the manufacturer/importer - used for purposes other than those specified in 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
CE₅₀ Concentration of a substance which affects 50% of the population
CLP Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
DNEL Derived No-Effect Level
EINECS European Inventory of Existing Commercial Chemical Substances
EmS Emergency plan
EuPCS European Product Categorisation System
IATA International Air Transport Association
IBC International code for the construction and equipment of ships carrying dangerous chemicals in bulk
IC₅₀ Half maximal inhibitory concentration
ICAO International Civil Aviation Organisation
IMDG International Maritime Dangerous Goods INCI International Nomenclature of Cosmetic Ingredients
ISO International Organisation for Standardisation
IUPAC International Union of Pure and Applied Chemistry
LC₅₀ Lethal concentration of a substance which can be expected to cause the death of 50% of the population
LD₅₀ Lethal dose of a substance which can be expected to cause the death of 50% of the population
LOAEC Lowest Observed Adverse Effect Concentration
LOAEL Lowest Observed Adverse Effect Level
log Kow Octanol-water partition coefficient
VOC Volatile Organic Compounds
MARPOL International Convention for the Prevention of Pollution from Ships TLV Threshold Limit Value
STEL Short-Term Exposure Limit
CEL Ceiling Exposure Limit
NOAEC No-observed-adverse-effect concentration NOAEL No-observed-adverse-effect level NOEC No-observed-effect concentration
NOEL No-observed-effect level
OEL Occupational Exposure Limits

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PBT	Persistent, Bioaccumulative and Toxic
PNEC	Predicted No-Effect Concentration
ppm	Parts per million
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals RID Regulation concerning the International Carriage of Dangerous Goods by Rail
EU	European Union
UN	Four-digit identification number of the substance or article based on "UN Model Regulations"
UVCB	Chemical Substances of Unknown or Variable Composition, Complex Reaction Products and Biological Materials
vPvB	Very Persistent and very Bioaccumulative EC Identification code for each substance listed in the EINECS

Acute Tox.	Acute toxicity
Aquatic Chronic classified	Hazardous to the aquatic environment (chronic) Not classified
Eye Dam.	Serious eye damage
Eye Irrit.	Eye irritation
Met. Corr.	Substance or mixture corrosive to metals Skin Corr.
Skin irritation	
Skin Sens.	Skin sensitisation

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

data 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.

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.