SAFETY DATA SHEET

According to Regulation (EU) No 2020/878

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

1.1. Product identifier

Product name	:	JUKOMA HEAVY DUTY CLEANER ALLTOPCLEAN
Product code	:	A003200
UFI	:	86P1-G0WC-H00C-VF9E

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

Application	:	SU22 Professional use. For industrial or institutional use. PC35 Cleaning agent. All-purpose (or multi-purpose) non-abrasive cleaners.

1.3. Details of the supplier of the safety data sheet

Supplier	:	JuKoMa BV (Alltopclean) Oudeweg 64 B-3950 Bocholt, Belgium
E-mail	:	products@alltopclean.be

1.4. Emergency telephone number

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

BE - Telephone	:	(24/7)

SECTION 2 HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

CLP classification (1272/2008/EC)	:	Corrosive to metals, category 1. Skin corrosion, category 1. Serious eye damage, category 1.
Human health hazards	:	Causes severe skin burns and eye damage.
Physical/chemical hazards	:	Reacts vigorously in contact with acids. Strong heat development possible. May be corrosive to metals.
Environmental hazards	:	Not classified as dangerous according to statutory EC-Directives.

2.2. Label elements

Label elements ((EU) 1272/2008):

Hazard pictograms :

Signal word : Danger

H- and P-phrases :

H290	May be corrosive to metals.
H314	Causes severe skin burns and eye damage.
P260	Do not breathe vapours.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P330 +P331	IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P303+P361 +P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
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 POISON CENTER/doctor.
P501	Dispose of contents/container to an official chemical waste depot.
P390	Absorb spillage to prevent material damage.

Additional labelling (for all packaging sizes)

: Contains: Alcohols, C9-11, ethoxylated ; Alcohols, C12-14, ethoxylated, sulfates, sodium salts ; Disodium metasilicate pentahydrate .

2.3. Other hazards

Other information : Does not contain PBT or vPvB substances in concentrations higher than 0,1%. Human health: This product does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Regulation (EU) 2017/2100 or Regulation (EU) 2018/605 at levels of 0.1% or higher. Environment: This product does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Regulation (EU) 2017/2100 or Regulation (EU) 2018/605 at levels of 0.1% or higher.

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, C9-11, ethoxylated	3 - < 10	68439-46-3	614-482-0		
Alcohols, C12-14, ethoxylated, sulfates, sodium salts	1 - < 5	68891-38-3	500-234-8		01-2119488639-16
Disodium metasilicate pentahydrate	0,1 - < 1	10213-79-3	229-912-9		01-2119449811-37

Substance name	Hazard Class	H-phrases	Pictograms	
Alcohols, C9-11, ethoxylated	Acute Tox. 4; Eye Dam. 1	H302; H318	GHS05; GHS07	
Alcohols, C12-14, ethoxylated, sulfates, sodium salts	Skin Irrit. 2; Eye Dam. 1	H315; H318	GHS05	H319 : C >= 5 % H318 : C >= 10 %
Disodium metasilicate pentahydrate	Met. Corr. 1; Skin Corr. 1B; Eye Dam. 1; STOT SE 3	H290; H314; H318; H335	GHS05; GHS07	
Silicon dioxide	-----	-----	-----	

[1] Non classified substance for which a legal or recommended limit value applies. 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. Transport to a hospital immediately.

Skin contact : Immediately wash off skin with plenty of water. Take off contaminated clothing. Consult a doctor in case burns or irritation occur.

Eye contact : Wash out with (lukewarm) water for at least 15 minutes. Remove contact lenses. Transport to a hospital immediately.

Ingestion : Do not induce vomiting. Rinse the mouth, give 1 glass of water at most. Do not give milk. Never give anything by mouth to an unconscious person. Transport to a hospital immediately.

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

Effects and symptoms

Inhalation	:	Corrosive. May cause sore throat and coughing. May cause shortness of breath or lack of breath.
Skin contact	:	Corrosive. May cause redness, pain and severe burns (blisters).
Eye contact	:	Corrosive. May cause redness and severe pain. Tears.
Ingestion	:	Corrosive. May cause burning pain in throat and mouth. May cause a feeling of sickness, vomiting and diarrhoea.

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	:	Use of heavy stream of water may spread fire.

5.2. Special hazards arising from the substance or mixture

Special exposure hazards	:	None known.
Hazardous thermal decomposition and combustion 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. Attention: extinguishing water can be corrosive.
Other information	:	Collect contaminated fire extinguishing water separately. Avoid release of product into sewers, surface water and/or ground water.

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. Large scale discharge causing a very high pH may impair the biological system in sewage plants. Inform the official bodies if necessary.
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. Carefully neutralise residues with acid. Absorb residues in sand or other inert material. Dispose at an authorised waste collection point. Wash away remainder with plenty of water.

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. When dissolving or diluting, always add product to water. NEVER vice versa. Do not breathe vapour. Avoid contact with eyes and unnecessary contact to skin. Avoid splashing. Wear protective clothing. After contact with skin, wash immediately with plenty of water.

7.2. Conditions for safe storage, including any incompatibilities

Storage : Keep frost-free, in a cool, dry and well-ventilated place. Keep away from oxidizing agents.
Recommended packaging : Keep only in the original container.
Non recommended packaging : Steel and aluminium. PET and PETG.

7.3. Specific end use(s)

Use : Use only as directed. Do not mix with other products.

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
Silicon dioxide		4	-		MAC: DE, SL, AT, CH.

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
Alcohols, C12-14, ethoxylated, sulfates, sodium salts	Dermal				2750 mg/kg bw/day
	Inhalation				175 mg/m3
Disodium metasilicate pentahydrate	Inhalation				6,22 mg/m3
	Dermal				1,49 mg/kg bw/day
Silicon dioxide	Inhalation				4 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
Alcohols, C12-14, ethoxylated, sulfates, sodium salts	Dermal				1650 mg/kg bw/day
	Inhalation				52 mg/m3
	Oral				15 mg/kg bw/day
Disodium metasilicate pentahydrate	Inhalation				1,55 mg/m3
	Dermal				0,74 mg/kg bw/day
	Oral				0,74 mg/kg bw/day

Predicted no-effect concentration (PNEC):

Chemical name	Route of exposure	Fresh water	Marine water	

Alcohols, C12-14, ethoxylated, sulfates, sodium salts	Water	0,24 mg/l	0,024 mg/l	
	Sediment	5,45 mg/kg	0,545 mg/kg	
	Intermittent water			0,071 mg/l
	STP			10000 mg/l
	Soil			0,946 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.

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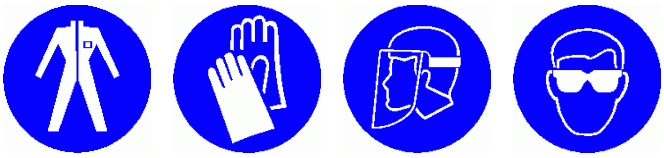

Body protection : Wear appropriate protective clothing, overalls or suit, and similar boots in accordance with EN 365/367 resp. 345. Suitable material: neoprene. Indication of permeation breakthrough time: 6 hours.

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: neoprene. ± 0,5 mm. Indication of permeation breakthrough time: 6 hours.

Eye protection : Wear a face shield or appropriate safety glasses with side shields, in accordance with EN 166.

Environmental exposure controls : Avoid release to the environment.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state	: Liquid.	
Colour	: Colourless.	
Odour	: Characteristic.	
Odour threshold	: Not known.	
pH	: 13,5	
Alkali reserve (g NaOH/100 ml)	: 3,25	
Solubility in water	: Soluble.	
Partition coefficient (n-octanol/water)	: Not applicable.	Contains surfactants. The O/W system emulsifies. Not measured. Not relevant for mixtures.
Flash point	: > 100 °C	Closed cup.
Flammability	: Not flammable.	
Auto ignition temperature	: > 180 °C	
Boiling point/boiling range	: 100 °C	
Melting point/melting range	: 0 °C	
Explosive properties	: Not explosive.	
Explosion limits (% in air)	: Not applicable.	
Oxidising properties	: Not applicable.	Does not contain oxidizing substances.
Decomposition temperature	: Not applicable.	
Viscosity (20°C)	: Not known.	

Viscosity (40°C)	:	< 20,5	
Vapour pressure (20°C)	:	2300 Pa	
Relative vapour density	:	Not known	(air = 1)
Relative density (20°C)	:	1,05 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 : Reacts vigorously in contact with acids. Strong heat development possible. Reacts with metals.

10.4. Conditions to avoid

Conditions to avoid : See section 7.

10.5. Incompatible materials

Materials to avoid : Keep away from acids. 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: > 10 mg/l. Ingredients of unknown toxicity: 5 %. ATE: > 5 mg/l. Low toxicity. Not classified - based on available data, the classification criteria are not met.
- Corrosion/irritation : Corrosive. May cause sore throat and coughing. May cause pulmonary oedema. Symptoms of pulmonary oedema often manifest after several hours.
- 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 : Not expected to be mutagenic. 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: < 1 %. ATE: > 5000 mg/kg.bw. Low toxicity. Not classified - based on available data, the classification criteria are not met.
- Corrosion/irritation : Corrosive. May cause redness, pain and burns (blisters).
- Sensitisation : Not classified - based on available data, the classification criteria are not met.

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

Eye contact

Corrosion/irritation : Corrosive. Risk of serious damage to eyes.

Ingestion

Acute toxicity : Calculated LD50: > 5000 mg/kg.bw. Ingredients of unknown toxicity: < 1 %. ATE: > 2000 mg/kg.bw. Not classified - based on available data, the classification criteria are not met.

Target organ toxicity (SE) : No specific effects and/or symptoms are known.

Target organ toxicity (RE) : No specific effects and/or symptoms are known.

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

Corrosion/irritation : Corrosive. May cause burning pain in throat and mouth. 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 : Not expected to be mutagenic. 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, C9-11, ethoxylated	LD50 (oral)	1400 mg/kg bw	-----	Rat
	LD50 (dermal)	> 5000 mg/kg bw		Rat
	Skin sensitisation	Not sensitizing	OECD 406	Guinea pig
	NOAEL (developmental toxicity, dermal)	250 mg/kg bw/d		Rat
	Mutagenicity - estimate	Not mutagenic		
	Skin irritation	Mildly irritant		
	NOEL (carcinogenicity) - estimate	Not carcinogenic		
	NOAEL (oral)	150 mg/kg bw/d		Rat
	NOAEL (fertility, dermal)	250 mg/kg bw/d		Rat
	Eye irritation	Severely irritant		Rabbit
	NOAEL (dermal)	80 mg/kg bw/d	OECD 411	Rat
Alcohols, C12-14, ethoxylated, sulfates, sodium salts	Mutagenicity	Negative	OECD 471	
	Eye irritation	Irritant	OECD 405	Rabbit
	Inhalation sensitisation	Not sensitizing		
	NOAEL (development, oral)	> 1000 mg/kg bw/d	OECD 414	Rat
	NOAEL (fertility, oral)	> 300 mg/kg bw/d	OECD 416	Rat
	NOEL (carcinogenicity) - estimate	> 75 mg/kg.d	Read across	Rat
	LD50 (oral)	4100 mg/kg bw	OECD 401	Rat
	Skin irritation	Irritant	OECD 404	Rabbit
	Skin sensitisation	Not sensitizing	OECD 406	Guinea pig
	Genotoxicity - in vivo	Negative	OECD 475	Mouse
	LD50 (dermal)	> 2000 mg/kg bw	OECD 402	Rat
	NOAEL (oral)	> 225 mg/kg bw/d	OECD 408	Rat
	Genotoxicity - in vitro	Not genotoxic	OECD 476	

	LC50 (inhalation) - estimate	> 5000 mg/m3	Read across	

11.2. Information on other hazards

Endocrine disrupting properties : This product does not contain components considered to have endocrine disrupting properties at levels of 0.1% or higher.
Other information : Not applicable.

SECTION 12 ECOLOGICAL INFORMATION

12.1. Toxicity

No ecotoxicological research has been carried out on this product.
Ecotoxicity : Calculated LC50 (fish): 90 mg/l. Calculated EC50 (waterflea): 68 mg/l. Contains 0 % of components with unknown hazards to the aquatic environment. Not classified - based on available data, the classification criteria are not met.

12.2. Persistence and degradability

Persistence – degradability : No specific information known. The surfactants contained in this preparation comply with the biodegradability criteria as laid down in Regulation (EC) 648/2004 on detergents.

12.3. Bioaccumulative potential

Bioaccumulative potential : No specific information known.

12.4. Mobility in soil

Mobility : If product enters soil, it will be highly mobile and may contaminate groundwater.

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 : This product does not contain components considered to have endocrine disrupting properties at levels of 0.1% or higher.

12.7. Other adverse effects

Other adverse effects : Not applicable.

SECTION 13 DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Product residues : Do not dispose empty pack with waste produced by households. Containers should be recycled or re-used. 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. Avoid discharge of waste water arising from tank cleaning to the environment.
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. : UN 3266

14.2. UN proper shipping name

Transport name : CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.
Transport name (IMDG, IATA) : CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.

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

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

- Class : 8
- Classification code : C5
- Packaging group : III
- Danger label : 8
- Tunnel restriction code : E

:

Other information : Not intended for carriage by tank-vessels on inland waterways.

IMDG (sea)

- Class : 8
- Packaging group : III
- EmS (fire / spill) : F - A / S - B
- Marine pollutant : No

IATA (air)

- Class : 8
- ERG code : 8L

14.6. Special precautions for user

Other information : Country specific variations may apply. It is possible that a "Limited Quantity" exemption applies to the transport of this product.

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. Regulation (EC) No 648/2004 (detergents). Directive 2008/98/EC (waste).

PIC Regulation : Does not contain substances listed on the PIC list (Regulation EU 649/2012).
POP Regulation : Does not contain substances listed on the POP list (Regulation EU 2019/1021).
Ozone Regulation : Does not contain substances listed on the Ozone Depletion list (Regulation EU 1005/2009).
Explosives Precursors Regulation : Does not contain substances listed on the Explosives Precursors list (Regulation EU 2019/1148).

Drug Precursors Regulation : Does not contain substances listed on the Drug Precursors list (Regulation EC 273/2004).

SEVESO III Directive 2012/18/EU

Hazard code : Not applicable.

Ingredient declaration according to Regulation EC 648/2004:

Contains:	Concentration (%)
Non-ionic surfactants	5 - 15
Phosphates , Phosphonates , Anionic surfactants	< 5

15.2. Chemical safety assessment

Chemical safety assessment : A Chemical Safety Assessment has not been carried out.

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 used (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 : The IMO International Code for construction and equipment of ships carrying dangerous chemicals in bulk.
- 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
- PIC : The Prior Informed Consent procedure for the import and export of certain hazardous chemicals and pesticides.
- POP : Persistent organic pollutants
- 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 Corr. 1	:	Calculation method.
Eye Dam. 1	:	Calculation method.
Met. Corr. 1	:	Expert judgement.

Full text of hazard classes mentioned in section 3:

Acute Tox. 4	:	Acute toxicity, category 4.
Skin Corr. 1A/B/C	:	Skin corrosive, category 1A/B/C.
Skin Irrit. 2	:	Skin irritation, category 2.
Eye Dam. 1	:	Serious eye damage, category 1.
STOT SE 3	:	Specific target organ toxicity after single exposure, category 3.
Met. Corr. 1	:	Corrosive to metals, category 1.

Full text of H-phrases mentioned in section 3:

H290	May be corrosive to metals.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H335	May cause respiratory irritation.

Advice on any training appropriate for workers: none.

Country / Language code	:	EC / EN
Number format	:	"," used as decimal separator.

End of safety data sheet.