

Safety Data Sheet

According to Annex II to REACH - Regulation 2020/878 and to Annex II to UK REACH

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

1.1. Product identifier

Code: 0030140
Product name: SGRISER
Chemical name and synonym: SGRISER

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

Sector of use: SU22- Professional uses SU21- Consumer uses

Category of products: PC35- Products for the washing and the cleaning (based solvent products included)

Uses advised against. Avoid the use:

- Which carries the risk of splashing into the eyes / face where workers have no protection of the eyes / face.
- that involves direct emissions into the air / surface water which cannot be buffered by natural means in order to maintain the pH to the natural level.

Intended use: Strong alkaline dewaxing cleaner

1.3. Details of the supplier of the safety data sheet

Name: MARBEC S.R.L.
Full address: VIA CROCE ROSSA 5/i
District and Country: 51037 MONTALE (PISTOIA)
ITALIA
Tel. +039 0573/959848
Fax:

e-mail address of the competent person

responsible for the Safety Data Sheet

Supplier: info@marbec.it

1.4. Emergency telephone number

For urgent inquiries refer to

MARBEC srl
0573959848 h8.30-13 h14-18 o 3357267921
Numero telefonico di Centri Antiveleni attivi 24/24 ore
IRCSS Fondazione Maugeri –
Pavia 0039-0382-24444
CAV Ospedali Riuniti –
Bergamo 0039-800-883300
CAV Ospedale Niguarda Ca` Granda –
Milano 0039-02-66101029
CAV Ospedale Careggi- Firenze 0039-055-7947819
CAV Policlinico Gemelli –
Roma 0039-06-3054343
CAV Policlinico Umberto I –
Roma 0039-06 49978000
CAV Ospedale Cardarelli –
Napoli 0039-081 5453333
CAV Azienda Ospedaliera Integrata Verona - Verona 800011858

SECTION 2. Hazards identification

2.1. Classification of the substance or mixture

The product is classified as hazardous pursuant to the provisions set forth in (EC) Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a safety datasheet that complies with the provisions of (EU) Regulation 2020/878. Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.

Hazard classification and indication:

Skin corrosion, category 1A	H314	Causes severe skin burns and eye damage.
Serious eye damage, category 1	H318	Causes serious eye damage.

2.2. Label elements

Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements.

Hazard pictograms:



Signal words: Danger

Hazard statements:

H314 Causes severe skin burns and eye damage.

Precautionary statements:

P260	Do not breathe dust / fume / gas / mist / vapours / spray.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P280	Wear protective gloves/ protective clothing / eye protection / face protection.
P310	Immediately call a POISON CENTER / doctor / . . .
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

Contains: SODIUM HYDROXIDE
ETHANOLAMINE

Ingredients in accordance with Regulation (EC) No 648/2004

Non-ionic surfactants below 5%.

2.3. Other hazards

On the basis of available data, the product does not contain any PBT or vPvB in percentage \geq than 0,1%.

The product does not contain substances with endocrine disrupting properties in concentration \geq 0.1%.

SECTION 3. Composition/information on ingredients

3.2. Mixtures

Contains:

Identification	x = Conc. %	Classification (EC) 1272/2008 (CLP)
1-METHOXY-2-PROPANOL		
CAS 107-98-2	$3 \leq x < 9$	Flam. Liq. 3 H226, STOT SE 3 H336
EC 203-539-1		
INDEX 603-064-00-3		
REACH Reg. 01-2119457435-35		
SODIUM HYDROXIDE		
CAS 1310-73-2	$5 \leq x < 9$	Met. Corr. 1 H290, Skin Corr. 1A H314, Eye Dam. 1 H318
EC 215-185-5		Skin Corr. 1B H314: \geq 2%, Skin Irrit. 2 H315: \geq 0,5%, Eye Dam. 1 H318: \geq 2%, Eye Irrit. 2 H319: \geq 0,5%
INDEX 011-002-00-6		
REACH Reg. 01-2119457892-27-xxxx		
2-BUTOXYETHANOL		
CAS 111-76-2	$3 \leq x < 9$	Acute Tox. 4 H302, Acute Tox. 4 H312, Acute Tox. 4 H332, Eye Irrit. 2 H319, Skin Irrit. 2 H315
EC 203-905-0		LD50 Oral: >1200 mg/kg, STA Dermal: 1100 mg/kg, STA Inhalation vapours: 11 mg/l
INDEX 603-014-00-0		
REACH Reg. 01-2119475108-36-0005		
ETHANOLAMINE		
CAS 141-43-5	$1 \leq x < 3$	Acute Tox. 4 H302, Acute Tox. 4 H312, Acute Tox. 4 H332, Skin Corr. 1B H314, Eye Dam. 1 H318, STOT SE 3 H335
EC 205-483-3		STOT SE 3 H335: \geq 5%
INDEX 603-030-00-8		LD50 Oral: 1515 mg/kg, STA Dermal: 1100 mg/kg, STA Inhalation vapours: 11 mg/l
REACH Reg. 01-2119486455-28		
C6 Alkylglycosides		
CAS 54549-24-5	$1 \leq x < 3$	Eye Dam. 1 H318
EC 259-217-6		
INDEX -		
REACH Reg. 01-2119492545-29		
2 - Propylethanol ethoxylate (\geq2.5 EO)		
CAS 160875-66-1	$1 \leq x < 3$	Eye Dam. 1 H318, Skin Irrit. 2 H315, Aquatic Chronic 3 H412
EC		
INDEX -		
SODIUM CARBONATE		
CAS 497-19-8	$1 \leq x < 3$	Eye Irrit. 2 H319

EC 207-838-8

INDEX 011-005-00-2

REACH Reg. 01-2119485498-19

The full wording of hazard (H) phrases is given in section 16 of the sheet.

SECTION 4. First aid measures

4.1. Description of first aid measures

EYES: Remove contact lenses, if present. Wash immediately with plenty of water for at least 30-60 minutes, opening the eyelids fully. Get medical advice/attention.

SKIN: Remove contaminated clothing. Rinse skin with a shower immediately. Get medical advice/attention.

INGESTION: Have the subject drink as much water as possible. Get medical advice/attention. Do not induce vomiting unless explicitly authorised by a doctor.

INHALATION: Get medical advice/attention immediately. Remove victim to fresh air, away from the accident scene. If the subject stops breathing, administer artificial respiration. Take suitable precautions for rescue workers.

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

Ingestion may cause chemical burns in the mouth and throat.

In contact with the skin can cause burns.

In contact with the eyes it causes very strong irritation, including redness and tearing.

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

Information not available

SECTION 5. Firefighting measures

5.1. Extinguishing media

SUITABLE EXTINGUISHING EQUIPMENT

Choose the most appropriate extinguishing equipment for the specific case.

UNSUITABLE EXTINGUISHING EQUIPMENT

None in particular.

5.2. Special hazards arising from the substance or mixture

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

The product is neither flammable nor combustible.

5.3. Advice for firefighters

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Block the leakage if there is no hazard.

Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency procedures.

6.2. Environmental precautions

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

6.3. Methods and material for containment and cleaning up

Collect the leaked product into a suitable container. If the product is flammable, use explosion-proof equipment. Evaluate the compatibility of the container to be used, by checking section 10. Absorb the remainder with inert absorbent material. Make sure the leakage site is well aired. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

6.4. Reference to other sections

Any information on personal protection and disposal is given in sections 8 and 13.

SECTION 7. Handling and storage

7.1. Precautions for safe handling

Ensure that there is an adequate earthing system for the equipment and personnel. Avoid contact with eyes and skin. Do not breathe powders, vapours or mists. Do not eat, drink or smoke during use. Wash hands after use. Avoid leakage of the product into the environment.

7.2. Conditions for safe storage, including any incompatibilities

Store only in the original container. Store in a ventilated and dry place, far away from sources of ignition. Keep containers well sealed. Keep the product in clearly labelled containers. Avoid overheating. Avoid violent blows. Keep containers away from any incompatible materials, see section 10 for details.

Storage class TRGS 510 (Germany):

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7.3. Specific end use(s)

Information not available

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Regulatory References:

DEU	Deutschland	Technischen Regeln für Gefahrstoffe (TRGS 900) - Liste der Arbeitsplatzgrenzwerte und Kurzzeitwerte. MAK- und BAT-Werte-Liste 2020, Ständige Senatskommission zur Prüfung gesundheitsschädlicher Arbeitsstoffe, Mitteilung 56
ESP	España	Límites de exposición profesional para agentes químicos en España 2021
FRA	France	Valeurs limites d'exposition professionnelle aux agents chimiques en France. ED 984 - INRS
ITA	Italia	Decreto Legislativo 9 Aprile 2008, n.81
PRT	Portugal	Decreto-Lei n.º 1/2021 de 6 de janeiro, valores-limite de exposição profissional indicativos para os agentes químicos. Decreto-Lei n.º 35/2020 de 13 de julho, proteção dos trabalhadores contra os riscos ligados à exposição durante o trabalho a agentes cancerígenos ou mutagénicos
GBR	United Kingdom	EH40/2005 Workplace exposure limits (Fourth Edition 2020)
EU	OEL EU	Directive (EU) 2019/1831; Directive (EU) 2019/130; Directive (EU) 2019/983; Directive (EU) 2017/2398; Directive (EU) 2017/164; Directive 2009/161/EU; Directive 2006/15/EC; Directive 2004/37/EC; Directive 2000/39/EC; Directive 98/24/EC; Directive 91/322/EEC.
	TLV-ACGIH	ACGIH 2021

1-METHOXY-2-PROPANOL**Threshold Limit Value**

Type	Country	TWA/8h		STEL/15min		Remarks / Observations
		mg/m3	ppm	mg/m3	ppm	
AGW	DEU	370	100	740	200	
MAK	DEU	370	100	740	200	
VLA	ESP	375	100	568	150	SKIN
VLEP	FRA	188	50	375	100	SKIN
VLEP	ITA	375	100	568	150	SKIN
VLE	PRT	375	100	568	150	
WEL	GBR	375	100	560	150	SKIN
OEL	EU	375	100	568	150	SKIN
TLV-ACGIH		184	50	368	100	

Health - Derived no-effect level - DNEL / DMEL

Route of exposure	Effects on consumers				Effects on workers			
	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral			VND	3,3 mg/kg bw/d				
Inhalation			VND	43,9 mg/m3	553,5 mg/m3	VND		369 mg/m3
Skin			VND	18,1 mg/kg bw/d		VND		50,6 mg/kg bw/d

SODIUM HYDROXIDE**Threshold Limit Value**

Type	Country	TWA/8h		STEL/15min		Remarks / Observations
		mg/m3	ppm	mg/m3	ppm	
VLA	ESP			2		
VLEP	FRA	2				
WEL	GBR			2		
TLV-ACGIH				2 (C)		

Health - Derived no-effect level - DNEL / DMEL

Route of exposure	Effects on consumers				Effects on workers			
	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Inhalation			1 mg/m3	1 mg/m3			1 mg/m3	1 mg/m3

2-BUTOXYETHANOL**Threshold Limit Value**

Type	Country	TWA/8h		STEL/15min		Remarks / Observations
		mg/m3	ppm	mg/m3	ppm	
AGW	DEU	49	10	98 (C)	20 (C)	SKIN
MAK	DEU	49	10	98	20	SKIN Hinweis
VLA	ESP	98	20	245	50	SKIN
VLEP	FRA	49	10	246	50	SKIN
VLEP	ITA	98	20	246	50	SKIN
VLE	PRT	98	20	246	50	SKIN

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WEL	GBR	123	25	246	50	SKIN
OEL	EU	98	20	246	50	SKIN
TLV-ACGIH		97	20			

Predicted no-effect concentration - PNEC						
Normal value in fresh water				8,8	mg/l	
Normal value in marine water				0,88	mg/l	
Normal value for fresh water sediment				34,6	mg/kg	
Normal value for marine water sediment				3,46	mg/kg	
Normal value for water, intermittent release				9,1	mg/l	
Normal value of STP microorganisms				463	mg/l	
Normal value for the food chain (secondary poisoning)				20	mg/kg	
Normal value for the terrestrial compartment				2,33	mg/kg	

Health - Derived no-effect level - DNEL / DMEL								
Route of exposure	Effects on consumers				Effects on workers			
	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral		26,7 mg/kg bw/d		6,3 mg/kg bw/d				
Inhalation	147 mg/m3	426 mg/m3		59 mg/m3	246 mg/m3	1091 mg/m3		98 mg/m3
Skin				38 mg/kg bw/d				

ETHANOLAMINE
Threshold Limit Value

Type	Country	TWA/8h		STEL/15min		Remarks / Observations
		mg/m3	ppm	mg/m3	ppm	
AGW	DEU	0,5	0,2	0,5	0,2	SKIN
MAK	DEU	0,51	0,2	0,51	0,2	
VLA	ESP	2,5	1	7,5	3	SKIN
VLEP	FRA	2,5	1	7,6	3	SKIN
VLEP	ITA	2,5	1	7,6	3	SKIN
VLE	PRT	2,5	1	7,6	3	SKIN
WEL	GBR	2,5	1	7,6	3	SKIN
OEL	EU	2,5	1	7,6	3	SKIN
TLV-ACGIH		7,5	3	15	6	

Predicted no-effect concentration - PNEC						
Normal value in fresh water				0,085	mg/l	
Normal value in marine water				0,0085	mg/l	
Normal value for fresh water sediment				0,425	mg/kg	
Normal value for marine water sediment				0,0425	mg/kg	
Normal value for water, intermittent release				0,025	mg/l	
Normal value of STP microorganisms				100	mg/l	
Normal value for the terrestrial compartment				0,035	mg/kg	

Health - Derived no-effect level - DNEL / DMEL								
Route of exposure	Effects on consumers				Effects on workers			
	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic

Oral	3,75 mg/kg/d
Inhalation	2 mg/m3
Skin	0,24 mg/kg/d
	3,3 mg/m3
	1 mg/kg/d

C6 Alkylglycosides

Predicted no-effect concentration - PNEC	
Normal value in fresh water	0,1 mg/l
Normal value in marine water	0,01 mg/l
Normal value for fresh water sediment	0,41 mg/kg
Normal value for marine water sediment	0,041 mg/kg
Normal value of STP microorganisms	100 mg/l
Normal value for the terrestrial compartment	0,654 mg/kg

Health - Derived no-effect level - DNEL / DMEL

Route of exposure	Effects on consumers			Effects on workers				
	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral	VND	35,7 mg/kg bw/d						
Inhalation			VND	124 mg/m3			VND	420 mg/m3
Skin			VND	357000 mg/kg bw/d			VND	595000 mg/kg bw/d

2 - Propylethanol ethoxylate (>=2.5 EO)

Predicted no-effect concentration - PNEC	
Normal value in fresh water	0,24 mg/l
Normal value for fresh water sediment	0,9168 mg/kg
Normal value for marine water sediment	0,0917 mg/kg
Normal value for water, intermittent release	0,07 mg/l
Normal value of STP microorganisms	10000 mg/l
Normal value for the terrestrial compartment	7,5 mg/kg

Health - Derived no-effect level - DNEL / DMEL

Route of exposure	Effects on consumers			Effects on workers				
	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral			VND	15 mg/kg/d				
Inhalation			VND	52 mg/m3			VND	175 mg/m3
Skin			0,079 mg/cm2	1650 mg/kg/d	0,132 mg/cm2	VND	VND	2750 mg/kg bw/d

SODIUM CARBONATE**Health - Derived no-effect level - DNEL / DMEL**

Route of exposure	Effects on consumers			Effects on workers				
	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Inhalation			10 mg/m3				10 mg/m3	

Legend:

(C) = CEILING ; INHAL = Inhalable Fraction ; RESP = Respirable Fraction ; THORA = Thoracic Fraction.

VND = hazard identified but no DNEL/PNEC available ; NEA = no exposure expected ; NPI = no hazard identified.

8.2. Exposure controls

Considering that the use of adequate technical measures should always take priority over personal protective equipment, ensure good ventilation in the workplace through effective local extraction or with the discharge of stale air. If these operations do not allow the concentration of the product to be kept below the workplace exposure limit values, wear suitable respiratory protection. While using the product, refer to the hazard label for details. Personal protective equipment must comply with the regulations in force below.

Provide an emergency shower with face and eye wash station.

HAND PROTECTION

Protect hands with category III work gloves (see standard EN 374 and Directive 89/686/CEE) such as PVA, butyl, fluoroelastomer or equivalent.

-Material: butyl rubber, PVC, polychloroprene with natural latex coating, material thickness: 0,5 mm, penetration time:> 480 min.

- Material: nitrile rubber, fluorinated rubber, material thickness: 0,35-0,4 mm, penetration time:> 480 min.

Remarks: for the definitive choice of the material of the work gloves the following must be considered: compatibility, degradation, breaking time and permeation.

In the case of preparations, the resistance of work gloves to chemical agents must be checked before use as it is not foreseeable. The gloves have a wear time that depends on the duration and mode of use.

SKIN PROTECTION

Wear category III professional long-sleeved overalls and safety footwear (see Directive 89/686/EEC and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

The creams / barrier are not suitable for skin protection.

EYE PROTECTION

Wear a hood visor or protective visor combined with airtight goggles (see standard EN 166).

RESPIRATORY PROTECTION

Not necessary for normal use. In case of exceeding the threshold value (eg TLV-TWA) of the substance or one or more of the substances present in the product (eg in unventilated environments, dust or aerosol formation) use respiratory protection equipped with a combined filter of type ABEK-P1 whose class (1, 2 or 3) must be chosen in relation to the limit concentration of use. (see standard EN 14387). Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. The protection provided by masks is in any case limited.

If the substance considered is odourless or its olfactory threshold is higher than the corresponding TLV-TWA and in the case of an emergency, wear open-circuit compressed air breathing apparatus (in compliance with standard EN 137) or external air-intake breathing apparatus (in compliance with standard EN 138). For a correct choice of respiratory protection device, see standard EN 529.

ENVIRONMENTAL EXPOSURE CONTROLS.

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Properties	Value	Information
Appearance	liquid	
Colour	yellow	
Odour	characteristic	
Melting point / freezing point	Not applicable	

Initial boiling point	Not available
Flammability	incombustible
Lower explosive limit	Not applicable
Upper explosive limit	Not applicable
Flash point	> 60 °C
Auto-ignition temperature	Not applicable
pH	14
Kinematic viscosity	Not available
Solubility	soluble in water
Partition coefficient: n-octanol/water	Not available
Vapour pressure	Not available
Density and/or relative density	1,08 kg/l
Relative vapour density	Not available
Particle characteristics	Not applicable

9.2. Other information

9.2.1. Information with regard to physical hazard classes

Information not available

9.2.2. Other safety characteristics

VOC (Directive 2010/75/EU)	12,96 % - 140,00 g/litre
Explosive properties	not applicable
Oxidising properties	not applicable

SECTION 10. Stability and reactivity**10.1. Reactivity**

Base.

10.2. Chemical stability

No dangerous reaction if manipulated and stored according to regulations

10.3. Possibility of hazardous reactions

Exothermic reaction with strong acids

10.4. Conditions to avoid

See paragraph 10.3.

10.5. Incompatible materials

It can generate flammable gases in contact with halogenated organic substances, elementary metals

10.6. Hazardous decomposition products

No decomposition if used for the intended uses.

SECTION 11. Toxicological information

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

Metabolism, toxicokinetics, mechanism of action and other information

Information not available

Information on likely routes of exposure

1-METHOXY-2-PROPANOL

WORKERS: inhalation; contact with the skin.

POPULATION: ingestion of contaminated food or water; inhalation of ambient air; contact with the skin of products containing the substance.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

1-METHOXY-2-PROPANOL

The main route of entry is the skin, whereas the respiratory route is less important due to the low vapour pressure of the product. Above 100 ppm causes irritation of the eye, nose and oropharynx mucous membranes. At 1000 ppm, disturbance of equilibrium and severe eye irritation can be noticed. Clinical and biological examinations carried out on exposed volunteers revealed no anomalies. Acetate produces greater skin and eye irritation with direct contact. No chronic effects on humans have been reported.

Interactive effects

Information not available

ACUTE TOXICITY

ATE (Inhalation - vapours) of the mixture:	> 20 mg/l
ATE (Oral) of the mixture:	>2000 mg/kg
ATE (Dermal) of the mixture:	>2000 mg/kg

1-METHOXY-2-PROPANOL

LD50 (Dermal):	> 2000 mg/kg Rabbit
LD50 (Oral):	4016 mg/kg Ratto
LC50 (Inhalation vapours):	> 7000 mg/l/4h Ratto

SODIUM HYDROXIDE

LD50 (Dermal):	1350 mg/kg Rat
LD50 (Oral):	1350 mg/kg Rat

2-BUTOXYETHANOL

LD50 (Dermal): > 2000 mg/kg Porcellino d'India (OECD - linea guida 402)
STA (Dermal): 1100 mg/kg estimate from table 3.1.2 of Annex I of the CLP
(figure used for calculation of the acute toxicity estimate of the mixture)

LD50 (Oral): > 1200 mg/kg Guinea pig
LC50 (Inhalation vapours): 2,2 mg/l/4h Rat
STA (Inhalation vapours): 11 mg/l estimate from table 3.1.2 of Annex I of the CLP
(figure used for calculation of the acute toxicity estimate of the mixture)

ETHANOLAMINE

LD50 (Dermal): 2504 mg/kg ratto
STA (Dermal): 1100 mg/kg estimate from table 3.1.2 of Annex I of the CLP
(figure used for calculation of the acute toxicity estimate of the mixture)

LD50 (Oral): 1515 mg/kg ratto
LC50 (Inhalation vapours): 1,48 mg/l/4h ratto
STA (Inhalation vapours): 11 mg/l estimate from table 3.1.2 of Annex I of the CLP
(figure used for calculation of the acute toxicity estimate of the mixture)

2-propylheptanoethoxilate

LD50 (Dermal): 2000 mg/kg
LD50 (Oral): 2000 mg/kg
LC50 (Inhalation vapours): > 20 mg/l/4h

SODIUM CARBONATE

LD50 (Dermal): > 2000 mg/kg coniglio
LD50 (Oral): 2800 mg/kg ratto
LC50 (Inhalation mists/powders): 2300 mg/l/2h Ratto

SKIN CORROSION / IRRITATION

Corrosive for the skin

SERIOUS EYE DAMAGE / IRRITATION

Causes serious eye damage

RESPIRATORY OR SKIN SENSITISATION

Does not meet the classification criteria for this hazard class

Respiratory sensitization

Information not available

Skin sensitization

Information not available

GERM CELL MUTAGENICITY

Does not meet the classification criteria for this hazard class

CARCINOGENICITY

Does not meet the classification criteria for this hazard class

REPRODUCTIVE TOXICITY

Does not meet the classification criteria for this hazard class

Adverse effects on sexual function and fertility

Information not available

Adverse effects on development of the offspring

Information not available

Effects on or via lactation

Information not available

STOT - SINGLE EXPOSURE

Does not meet the classification criteria for this hazard class

Target organs

Information not available

Route of exposure

Information not available

STOT - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class

Target organs

Information not available

Route of exposure

Information not available

ASPIRATION HAZARD

Does not meet the classification criteria for this hazard class

11.2. Information on other hazards

Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with human health effects under evaluation.

SECTION 12. Ecological information**12.1. Toxicity****2-BUTOXYETHANOL**

Assessment of aquatic toxicity (supplier): with high probability the product is not harmful to aquatic organisms. There is a high probability that the product is not chronically toxic to aquatic organisms. The correct introduction of low concentrations in biological treatment plants should not compromise the degradation activity of active sludge. Assessment of terrestrial toxicity (supplier): Study scientifically not justified.

1-METHOXY-2-PROPANOL

With high probability the product is not harmful to aquatic organisms. The correct introduction of low concentrations in biological treatment plants should

not compromise the degradation activity of active sludge.

SODIUM CARBONATE

LC50 - for Fish 300 mg/l/96h *lepomis macrochirus*
 EC50 - for Crustacea 200 mg/l/48h *daphnia magna*

2-BUTOXYETHANOL

LC50 - for Fish 1474 mg/l/96h *oncorhynchus mykiss*
 EC50 - for Crustacea 1550 mg/l/48h *daphnia magna*
 EC50 - for Algae / Aquatic Plants 1840 mg/l/72h *pseudokirchneriella subcapitata*
 Chronic NOEC for Fish > 100 mg/l *brachydanio rerio*
 Chronic NOEC for Crustacea 100 mg/l *daphnia magna*

ETHANOLAMINE

LC50 - for Fish 349 mg/l/96h *cyprinus carpio*
 EC50 - for Crustacea 65 mg/l/48h *daphnia magna*
 EC50 - for Algae / Aquatic Plants 2,5 mg/l/72h *pseudokirchneriella subcapitata*

1-METHOXY-2-PROPANOL

LC50 - for Fish > 6800 mg/l/96h *leuciscus idus*
 EC50 - for Crustacea 23300 mg/l/48h *daphnia magna*

C6 Alkylglycosides

LC50 - for Fish > 100 mg/l/96h *Oncorhynchus mykiss (trout iridea)*
 EC50 - for Crustacea > 100 mg/l/48h *Daphnia magna*
 EC50 - for Algae / Aquatic Plants > 100 mg/l/72h *Scenedesmus quadricauda*

2-propylheptanoethoxilate

LC50 - for Fish > 10 mg/l/96h
 EC50 - for Crustacea > 10 mg/l/48h *daphnia magna*
 EC50 - for Algae / Aquatic Plants > 10 mg/l/72h

12.2. Persistence and degradability

1-METHOXY-2-PROPANOL

Evaluation of biodegradability and elimination (H₂O): rapidly biodegradable (according to OECD criterias). Disposal considerations: 90-100% (28 days) (OECD 301E/92/96/EEC, C 4-B) (aerobic, effluent of a municipal plant for the treatment of water). In water, the hydrolytic stability has not been determined but it has been found a rapid biodegradability (96% it has degraded in 28 days). Test OECD 301E. The atmospheric vapor has rapidly photodegraded (half-life <1 day).

SODIUM HYDROXIDE

Solubility in water > 10000 mg/l
 Degradability: information not available

SODIUM CARBONATE

Solubility in water 1000 - 10000 mg/l
 Degradability: information not available

2-BUTOXYETHANOL

Solubility in water 1000 - 10000 mg/l
 Rapidly degradable

ETHANOLAMINE

Solubility in water 1000 - 10000 mg/l
 Rapidly degradable

1-METHOXY-2-PROPANOL

Solubility in water 1000 - 10000 mg/l
 Rapidly degradable

Hexyl D-glucoside

Rapidly degradable

2-propylheptanoethoxilate

Rapidly degradable

12.3. Bioaccumulative potential**2-BUTOXYETHANOL**

Partition coefficient: n-octanol/water 0,81
 BCF 3,16 (calculated QSAR value). This substance is not expected to bioaccumulate

ETHANOLAMINE

Partition coefficient: n-octanol/water -2,3

1-METHOXY-2-PROPANOL

Partition coefficient: n-octanol/water < 1

12.4. Mobility in soil**2-BUTOXYETHANOL**

Evaluation transport between environmental compartments (supplier), the substance does not evaporate into the atmosphere from the water surface. It is not predictable absorption to the solid phase of the soil. Study scientifically not justified. Stability in water: It is not provided immediate hydrolysis; It does not contain functional groups for which it is believed that they can be hydrolysed in water. Stability in the soil: expected low absorption in the soil particles.

ETHANOLAMINE

Partition coefficient: soil/water -0,5646

12.5. Results of PBT and vPvB assessment

On the basis of available data, the product does not contain any PBT or vPvB in percentage \geq than 0,1%.

12.6. Endocrine disrupting properties

Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with

environmental effects under evaluation.

12.7. Other adverse effects

Information not available

SECTION 13. Disposal considerations

13.1. Waste treatment methods

Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.

Waste transportation may be subject to ADR restrictions.

CONTAMINATED PACKAGING

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

SECTION 14. Transport information

14.1. UN number or ID number

ADR / RID, IMDG, 3266
IATA:

14.2. UN proper shipping name

ADR / RID: CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.
IMDG: CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.
IATA: CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.

14.3. Transport hazard class(es)

ADR / RID: Class: 8 Label: 8

IMDG: Class: 8 Label: 8

IATA: Class: 8 Label: 8



14.4. Packing group

ADR / RID, IMDG, III
IATA:

14.5. Environmental hazards

ADR / RID: NO
IMDG: NO
IATA: NO

14.6. Special precautions for user

ADR / RID:	HIN - Kemler: 80	Limited Quantities: 5 L	Tunnel restriction code: (E)
	Special provision: -		
IMDG:	EMS: F-A, S-B	Limited Quantities: 5 L	
IATA:	Cargo:	Maximum quantity: 60 L	Packaging instructions: 856
	Pass.:	Maximum quantity: 5 L	Packaging instructions: 852
	Special provision:	A3, A803	

14.7. Maritime transport in bulk according to IMO instruments

Information not relevant

SECTION 15. Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

Seveso Category - Directive 2012/18/EU: None

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006Product

Point 3 - 40

Contained substance

Point 75

Regulation (EU) 2019/1148 - on the marketing and use of explosives precursors

Not applicable

Substances in Candidate List (Art. 59 REACH)On the basis of available data, the product does not contain any SVHC in percentage \geq than 0,1%.Substances subject to authorisation (Annex XIV REACH)

None

Substances subject to exportation reporting pursuant to Regulation (EU) 649/2012:

None

Substances subject to the Rotterdam Convention:

None

Substances subject to the Stockholm Convention:

None

Healthcare controls

Workers exposed to this chemical agent dangerous to health must be subjected to health surveillance carried out in accordance with the provisions of art. 41 of Legislative Decree 81 of 9 April 2008 unless the risk to the safety and health of the worker has been assessed as irrelevant, in accordance with the provisions of art. 224 paragraph 2.

15.2. Chemical safety assessment

A chemical safety assessment has been processed for the following substances contained into the mixture:
1-methoxy 2-propanol, sodium hydroxide, 2-bothoxyethanol, ethanolamine, sodium carbonate, Alkyl polyglucoside.

SECTION 16. Other information

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

Flam. Liq. 3	Flammable liquid, category 3
Met. Corr. 1	Substance or mixture corrosive to metals, category 1
Acute Tox. 4	Acute toxicity, category 4
Skin Corr. 1A	Skin corrosion, category 1A
Eye Dam. 1	Serious eye damage, category 1
STOT SE 3	Specific target organ toxicity - single exposure, category 3
Aquatic Chronic 3	Hazardous to the aquatic environment, chronic toxicity, category 3
H226	Flammable liquid and vapour.
H290	May be corrosive to metals.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H332	Harmful if inhaled.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H412	Harmful to aquatic life with long lasting effects.

LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- ATE: Acute Toxicity Estimate
- CAS: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE: Identifier in ESIS (European archive of existing substances)
- CLP: Regulation (EC) 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals

- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: Regulation (EC) 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA: Time-weighted average exposure limit
- TWA STEL: Short-term exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (German).

GENERAL BIBLIOGRAPHY

1. Regulation (EC) 1907/2006 (REACH) of the European Parliament
 2. Regulation (EC) 1272/2008 (CLP) of the European Parliament
 3. Regulation (EU) 2020/878 (II Annex of REACH Regulation)
 4. Regulation (EC) 790/2009 (I Atp. CLP) of the European Parliament
 5. Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament
 6. Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament
 7. Regulation (EU) 487/2013 (IV Atp. CLP) of the European Parliament
 8. Regulation (EU) 944/2013 (V Atp. CLP) of the European Parliament
 9. Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament
 10. Regulation (EU) 2015/1221 (VII Atp. CLP) of the European Parliament
 11. Regulation (EU) 2016/918 (VIII Atp. CLP) of the European Parliament
 12. Regulation (EU) 2016/1179 (IX Atp. CLP)
 13. Regulation (EU) 2017/776 (X Atp. CLP)
 14. Regulation (EU) 2018/669 (XI Atp. CLP)
 15. Regulation (EU) 2019/521 (XII Atp. CLP)
 16. Delegated Regulation (UE) 2018/1480 (XIII Atp. CLP)
 17. Regulation (EU) 2019/1148
 18. Delegated Regulation (UE) 2020/217 (XIV Atp. CLP)
 19. Delegated Regulation (UE) 2020/1182 (XV Atp. CLP)
 20. Delegated Regulation (UE) 2021/643 (XVI Atp. CLP)
 21. Delegated Regulation (UE) 2021/849 (XVII Atp. CLP)
- The Merck Index. - 10th Edition
 - Handling Chemical Safety
 - INRS - Fiche Toxicologique (toxicological sheet)
 - Patty - Industrial Hygiene and Toxicology
 - N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
 - IFA GESTIS website
 - ECHA website
 - Database of SDS models for chemicals - Ministry of Health and ISS (Istituto Superiore di Sanità) - Italy

Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Provide appointed staff with adequate training on how to use chemical products.

CALCULATION METHODS FOR CLASSIFICATION

Chemical and physical hazards: Product classification derives from criteria established by the CLP Regulation, Annex I, Part 2. The data for evaluation of chemical-physical properties are reported in section 9.

Health hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 3, unless determined otherwise in Section 11.
Environmental hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 4, unless determined otherwise in Section 12.

Changes to previous review:
The following sections were modified:
01 / 03 / 08 / 11.