

Safety Data Sheet

according to UK REACH Regulation

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Print date: 13.03.2023

Revision date: 01.03.2023

VCW 25

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

1.1. Product identifier

VCW 25

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

Use of the substance/mixture

Cleaner

Uses advised against

Any non-intended use.

1.3. Details of the supplier of the safety data sheet

Company name:	Meusburger Georg GmbH & Co KG	
Street:	Kesselstrasse 42	
Place:	A-6960 Wolfurt	
Telephone:	+43 5574 6706-0	Telefax: +43 5574 6706-12
e-mail:	office@meusburger.com	
Internet:	www.meusburger.com	
Responsible Department:	Dr. Gans-Eichler Chemieberatung GmbH Otto-Hahn-Str. 36 D-48161 Muenster	e-mail: info@tge-consult.de Tel.: +49 2534 41594-0 www.tge-consult.de

1.4. Emergency telephone number:

Poison Information Center Mainz, Germany, Tel: +49(0)6131/19240

Further Information

Safety Data Sheet according to UK-REACH Regulation

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GB CLP Regulation

Skin Corr. 1; H314

Eye Dam. 1; H318

Full text of hazard statements: see SECTION 16.

The mixture was classified as corrosive precautionary due to an extreme pH-value (pH >= 11,5).

2.2. Label elements

GB CLP Regulation

Hazard components for labelling

disodium metasilicate

Quaternary C12-14 alkyl methyl amine ethoxylate methyl chloride

Alcohols, C9-11-branched, ethoxylated

Signal word: Danger

Pictograms:



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Hazard statements

H314 Causes severe skin burns and eye damage.

Precautionary statements

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 or shower.
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 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.

2.3. Other hazards

The substances in the mixture (> 0.1%) do not meet the PBT/vPvB criteria according to UK REACH.
 This product does not contain a substance (> 0.1 %) that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous components

CAS No EC No REACH No Index No	Chemical name GHS Classification	Quantity
6834-92-0 229-912-9 01-2119449811-37 014-010-00-8	disodium metasilicate Met. Corr. 1, Skin Corr. 1B, STOT SE 3; H290 H314 H335	1 - < 5 %
1554325-20-0 810-152-7	Quaternary C12-14 alkyl methyl amine ethoxylate methyl chloride Acute Tox. 4, Skin Irrit. 2, Eye Dam. 1; H302 H315 H318	1 - < 5 %
112-34-5 203-961-6 01-2119475104-44 603-096-00-8	2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether Eye Irrit. 2; H319	1 - < 5 %
68439-46-3 614-482-0	Alcohols C9-11, ethoxylated Eye Irrit. 2; H319	1 - < 5 %

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169107-21-5	Alcohols, C9-11-branched, ethoxylated	1 - < 5 %
	Acute Tox. 4, Eye Dam. 1; H302 H318	

Full text of H and EUH statements: see section 16.

Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
		Specific Conc. Limits, M-factors and ATE	
6834-92-0	229-912-9	disodium metasilicate	1 - < 5 %
		inhalation: LC50 = > 2,06 mg/l (vapours); dermal: LD50 = > 5000 mg/kg; oral: LD50 = 770 - 820 mg/kg	
1554325-20-0	810-152-7	Quaternary C12-14 alkyl methyl amine ethoxylate methyl chloride	1 - < 5 %
		oral: LD50 = (300 - 2000) mg/kg	
112-34-5	203-961-6	2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether	1 - < 5 %
		dermal: LD50 = 2764 mg/kg; oral: LD50 = 2410 mg/kg	
68439-46-3	614-482-0	Alcohols C9-11, ethoxylated	1 - < 5 %
		oral: LD50 = >2000 mg/kg	
169107-21-5		Alcohols, C9-11-branched, ethoxylated	1 - < 5 %
		oral: ATE = 500 mg/kg	

Labelling for contents according to Regulation (EC) No 648/2004

< 5 % cationic surfactants, < 5 % non-ionic surfactants.

Further Information

Product does not contain listed SVHC substances > 0.1 % according to UK REACH.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Take off immediately all contaminated clothing.

After inhalation

In case of accident by inhalation: remove casualty to fresh air and keep at rest. In case of respiratory tract irritation, consult a physician. In the case of lung irritation: Primary treatment using corticoide spray, eg. Auxilison spray, Pulmicort-dosage-spray. (Auxilison and Pulmicort are registered trademarks).

After contact with skin

Gently wash with plenty of soap and water. In case of skin irritation, seek medical treatment.

After contact with eyes

In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Subsequently consult an ophthalmologist.

After ingestion

Do NOT induce vomiting. Rinse mouth thoroughly with water. Let water be drunken in little sips (dilution effect). Observe risk of aspiration if vomiting occurs. Never give anything by mouth to an unconscious person or a person with cramps. When in doubt or if symptoms are observed, get medical advice.

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

If swallowed danger of perforation of the esophagus and the stomach (strong corrosive effects).

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Sand. Foam. Carbon dioxide (CO₂). Extinguishing powder.
In case of major fire and large quantities: Water spray jet. Water mist.

Unsuitable extinguishing media

High power water jet.

5.2. Special hazards arising from the substance or mixture

Can be released in case of fire: Carbon monoxide. Carbon dioxide (CO₂). Nitrogen oxides (NO_x).

5.3. Advice for firefighters

In case of fire and/or explosion do not breathe fumes. In case of fire: Wear self-contained breathing apparatus.

Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.
Co-ordinate fire-fighting measures to the fire surroundings.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General advice

Do not breathe vapour/aerosol. Avoid contact with skin, eyes and clothes.

For non-emergency personnel

Wear personal protection equipment (refer to section 8).

For emergency responders

No special measures are necessary.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. Prevent spread over a wide area (e.g. by containment or oil barriers). Do not allow to enter into soil/subsoil.

6.3. Methods and material for containment and cleaning up

For containment

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).
Treat the recovered material as prescribed in the section on waste disposal.

For cleaning up

Clean contaminated objects and areas thoroughly observing environmental regulations.

6.4. Reference to other sections

Safe handling: see section 7
Personal protection equipment: see section 8
Disposal: see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

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Advice on safe handling

Wear suitable protective clothing. (See section 8.)
Conditions to avoid: aerosol or mist formation
Avoid contact with skin, eyes and clothes.

Advice on protection against fire and explosion

Usual measures for fire prevention.

Advice on general occupational hygiene

When using do not eat, drink or smoke.

Further information on handling

General protection and hygiene measures: See section 8.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed in a cool, well-ventilated place. Only use containers specifically approved for the substance/product.
Make sure spills can be contained (e.g. sump pallets or kerbed areas).

Hints on joint storage

Do not store together with: Explosives. Oxidizing solids. Oxidizing liquids. Organic peroxides. Self-reactive substances and mixtures. Radioactive substances. Infectious substances.

Further information on storage conditions

Recommended storage temperature: 20 °C
Protect against: frost. UV-radiation/sunlight. heat. Humidity

7.3. Specific end use(s)

See section 1.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
112-34-5	2-(2-Butoxyethoxy)ethanol	10	67.5		TWA (8 h)	WEL
		15	101.2		STEL (15 min)	WEL

DNEL/DMEL values

CAS No	Substance	Exposure route	Effect	Value
6834-92-0	disodium metasilicate			
	Worker DNEL, long-term	inhalation	systemic	6,22 mg/m ³
	Worker DNEL, long-term	dermal	systemic	1,49 mg/kg bw/day
	Consumer DNEL, long-term	inhalation	systemic	1,55 mg/m ³
	Consumer DNEL, long-term	dermal	systemic	0,74 mg/kg bw/day
	Consumer DNEL, long-term	oral	systemic	0,74 mg/kg bw/day

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112-34-5	2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether		
Worker DNEL, long-term	inhalation	local	67,5 mg/m ³
Worker DNEL, acute	inhalation	local	101,2 mg/m ³
Consumer DNEL, long-term	inhalation	local	40,5 mg/m ³
Consumer DNEL, acute	inhalation	local	60,7 mg/m ³
Consumer DNEL, long-term	oral	systemic	5 mg/kg bw/day
Worker DNEL, long-term	dermal	systemic	83 mg/kg bw/day
Consumer DNEL, long-term	inhalation	systemic	40,5 mg/m ³
Consumer DNEL, long-term	dermal	systemic	50 mg/kg bw/day
Worker DNEL, long-term	inhalation	systemic	67,5 mg/m ³

PNEC values

CAS No	Substance	Value
6834-92-0	disodium metasilicate	
	Freshwater	7,5 mg/l
	Freshwater (intermittent releases)	7,5 mg/l
	Marine water	1 mg/l
	Micro-organisms in sewage treatment plants (STP)	1000 mg/l
112-34-5	2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether	
	Freshwater	1,1 mg/l
	Freshwater (intermittent releases)	11 mg/l
	Marine water	0,11 mg/l
	Freshwater sediment	4,4 mg/kg
	Marine sediment	0,44 mg/kg
	Secondary poisoning	56 mg/kg
	Micro-organisms in sewage treatment plants (STP)	200 mg/l
	Soil	0,32 mg/kg

8.2. Exposure controls



Appropriate engineering controls

Technical measures and the application of suitable work processes have priority over personal protection equipment.

Provide adequate ventilation.

Individual protection measures, such as personal protective equipment

Eye/face protection

Wear eye/face protection. BS/EN 166

Hand protection

Wear suitable gloves.

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Suitable material:

FKM (fluororubber). - Thickness of glove material: 0,4 mm

Breakthrough time \geq 8 h

Butyl rubber. - Thickness of glove material: 0,5 mm

Breakthrough time \geq 8 h

CR (polychloroprenes, Chloroprene rubber). - Thickness of glove material: 0,5 mm

Breakthrough time \geq 8 h

NBR (Nitrile rubber). - Thickness of glove material: 0,35 mm

Breakthrough time \geq 8 h

PVC (Polyvinyl chloride). - Thickness of glove material: 0,5 mm

Breakthrough time \geq 8 h

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

The selected protective gloves have to satisfy the specifications of the Personal Protective Equipment at Work (Amendment) Regulations 2022 and the standard EN ISO 374.

Before using check leak tightness / impermeability. In the case of wanting to use the gloves again, clean them before taking off and air them well.

Skin protection

Suitable protective clothing: Lab apron.

Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500 (D).

Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required.

Respiratory protection necessary at:

-Exceeding exposure limit values

-Insufficient ventilation and aerosol or mist formation

Suitable respiratory protective equipment: particulates filter device (DIN EN 143). Type: P2

The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used.

Environmental exposure controls

No information available.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	liquid	
Colour:	light yellow	
Odour:	characteristic	
Odour threshold:	not determined	
Melting point/freezing point:		not determined
Boiling point or initial boiling point and boiling range:		not determined
Flammability:		not determined
Lower explosion limits:		not determined
Upper explosion limits:		not determined
Flash point:		not determined
Auto-ignition temperature:		not determined
Decomposition temperature:		not determined

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pH-Value:	12 - 12,4
Viscosity / kinematic:	not determined
Water solubility:	miscible
Solubility in other solvents	
No information available.	
Dissolution rate:	not relevant
Partition coefficient n-octanol/water:	not determined
Dispersion stability:	not relevant
Vapour pressure:	not determined
Density (at 20 °C):	1,01 - 1,04 g/cm ³
Bulk density:	not determined
Relative vapour density:	not determined
Particle characteristics:	not relevant

9.2. Other information

Information with regard to physical hazard classes

Explosive properties

none

Sustaining combustion:

No data available

Self-ignition temperature

Solid:

not relevant

Gas:

not relevant

Oxidizing properties

none

Other safety characteristics

Evaporation rate:

not determined

Solvent separation test:

not determined

Solvent content:

not determined

Solid content:

not determined

Sublimation point:

not determined

Softening point:

not determined

Pour point:

not determined

Viscosity / dynamic:

not determined

Flow time:

not determined

Further Information

No information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

No information available.

10.2. Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

10.3. Possibility of hazardous reactions

Refer to chapter 10.5.

Exothermic reaction with: Acid.

10.4. Conditions to avoid

Protect against: UV-radiation/sunlight. heat.

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10.5. Incompatible materials

Materials to avoid: Oxidizing agents, strong. Reducing agents, strong. Strong acid. Light metal.

10.6. Hazardous decomposition products

Does not decompose when used for intended uses.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in GB CLP Regulation

Toxicokinetics, metabolism and distribution

No information available.

Acute toxicity

Based on available data, the classification criteria are not met.

ATEmix calculated

ATE (oral) 5000,4 mg/kg

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
6834-92-0	disodium metasilicate				
	oral	LD50 770 - 820 mg/kg	Mouse	Toxicol. Lett. 31 (Suppl. P1-28), 44 (19	
	dermal	LD50 > 5000 mg/kg	Rat	ECHA Dossier	EPA OPPTS 870.1200
	inhalation (4 h) vapour	LC50 > 2,06 mg/l	Rat	ECHA Dossier	EPA OPPTS 870.1300
1554325-20-0	Quaternary C12-14 alkyl methyl amine ethoxylate methyl chloride				
	oral	LD50 (300 - 2000) mg/kg	Rat	MSDS extern.	
112-34-5	2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether				
	oral	LD50 2410 mg/kg	Mouse	ECHA Dossier	OECD Guideline 401
	dermal	LD50 2764 mg/kg	Rabbit	ECHA Dossier	OECD Guideline 402
68439-46-3	Alcohols C9-11, ethoxylated				
	oral	LD50 >2000 mg/kg	Rat	ECHA dossier	
169107-21-5	Alcohols, C9-11-branched, ethoxylated				
	oral	ATE 500 mg/kg			

Irritation and corrosivity

Causes severe skin burns and eye damage. (On basis of test data)

Causes serious eye damage. (On basis of test data)

pH: 12 - 12,4

The mixture was classified as corrosive precautionary due to an extreme pH-value (pH \geq 11,5).

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Sensitising effects

Based on available data, the classification criteria are not met.

Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

disodium metasilicate:

In-vitro mutagenicity: Method: OECD Guideline 471 (Bacterial Reverse Mutation Assay); Result: negative.

Literature information: ECHA dossier

Developmental toxicity/teratogenicity: Method: -; Species: Mouse; Result: NOAEL > 200 mg/kg

Literature information: ECHA dossier

Alcohols C9-11, ethoxylated:

In-vitro mutagenicity: Method: OECD Guideline 471 (Bacterial Reverse Mutation Assay): positive (with metabolic activation). negative (without metabolic activation).; OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test): positive (without metabolic activation). Literature information: ECHA dossier

Reproductive toxicity:

Method: OECD Guideline 416 (Two-Generation Reproduction Toxicity Study)

Species: Rat

Result: NOAEL (P0) >= 250 mg/kg

Literature information: ECHA dossier

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

disodium metasilicate:

Subchronic oral toxicity: Method: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents); Species: Wistar Rat.; Exposure time: 90d; Result: NOAEL > 227 mg/kg

Literature information: ECHA dossier

2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether

Subacute oral toxicity :

Method: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)

Exposure time: 90d Species: Rat

Result: NOAEL = 250 g/kg

Literature information: ECHA dossier

NOAEC 90d (inhalation.) = 14ppm (94 mg/m³), (Rat)

Literature information: ECHA dossier

Result: NOAEL = 600 mg/kg, (Rat)

Literature information: ECHA dossier

In-vitro mutagenicity/In-vivo mutagenicity: negative. (Mouse.)

Literature information: ECHA dossier

Reproductive toxicity: Method: OECD Guideline 415 (One-Generation Reproduction Toxicity Study)

NOAEL = 1000 mg/kg, (Mouse.)

Literature information: ECHA dossier

Developmental toxicity/teratogenicity: Method: OECD Guideline 414 (Prenatal Developmental Toxicity Study)

NOAEL = 633 mg/kg, (70d, Mouse.)

Literature information: ECHA dossier

Alcohols C9-11, ethoxylated:

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Subchronic oral toxicity
 Method: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)
 Species: Rat
 Results: NOAEL = 150 mg/kg
 Literature information: ECHA dossier

Aspiration hazard

Based on available data, the classification criteria are not met.

11.2. Information on other hazards

Endocrine disrupting properties

This product does not contain a substance (> 0.1 %) that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

Other information

No data available.

SECTION 12: Ecological information

12.1. Toxicity

The product has not been tested.

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
6834-92-0	disodium metasilicate					
	Acute fish toxicity	LC50 210 mg/l	96 h	Danio rerio	ECHA Dossier	ISO 7346-1
	Acute algae toxicity	ErC50 207 mg/l	72 h	Desmodesmus subspicatus	ECHA Dossier	DIN 38412, Teil 9
	Acute crustacea toxicity	EC50 1700 mg/l	48 h	Daphnia magna	ECHA Dossier	EU Method C.2
	Acute bacteria toxicity	(EC50 > 100 mg/l)	3 h	activated sludge, domestic	ECHA Dossier	OECD Guideline 209
1554325-20-0	Quaternary C12-14 alkyl methyl amine ethoxylate methyl chloride					
	Acute fish toxicity	LC50 (1,1 - 10) mg/l	96 h	Fish	MSDS extern.	
	Acute algae toxicity	ErC50 (1,1 - 10) mg/l	72 h	algae	MSDS extern.	
	Acute crustacea toxicity	EC50 (1,1 - 10) mg/l	48 h	Daphnia pulex (water flea)	MSDS extern.	
112-34-5	2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether					
	Acute fish toxicity	LC50 1300 mg/l	96 h	Lepomis macrochirus	J Haz Mat, 1, p303-18 (1977)	OECD Guideline 203
	Acute algae toxicity	ErC50 > 100 mg/l	96 h	Desmodesmus subspicatus	ECHA Dossier	OECD Guideline 201
	Acute crustacea toxicity	EC50 > 100 mg/l	48 h	Daphnia magna	ECHA Dossier	EU Method C.2
	Acute bacteria toxicity	(EC50 > 1995 mg/l)	0,5 h	activated sludge (OECD 209)	ECHA Dossier	
68439-46-3	Alcohols C9-11, ethoxylated					
	Acute fish toxicity	LC50 6,28 mg/l	96 h	Pimephales promelas	ECHA dossier	OECD 203

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Acute algae toxicity	ErC50 mg/l	2,99	72 h	Raphidocelis subcapitata	ECHA dossier	OECD 201
Acute crustacea toxicity	EC50	2,5 mg/l	48 h	Daphnia magna	ECHA dossier	OECD 202

12.2. Persistence and degradability

The product has not been tested.

CAS No	Chemical name				
	Method	Value	d	Source	
	Evaluation				
112-34-5	2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether				
	OECD 301C / ISO 9408 / EEC 92/69 annex V, C.4-F	85 %	28	ECHA Dossier	
	Easily biodegradable (concerning to the criteria of the OECD)				

12.3. Bioaccumulative potential

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
112-34-5	2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether	1
68439-46-3	Alcohols C9-11, ethoxylated	3.74

BCF

CAS No	Chemical name	BCF	Species	Source
68439-46-3	Alcohols C9-11, ethoxylated	12.7	Pimephales promelas	

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to UK REACH.

The aforementioned statement applies to substances contained in the product with a minimum content of 0.1 %.

12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

The aforementioned statement applies to substances contained in the product with a minimum content of 0.1 %.

12.7. Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations

Observe in addition any national regulations! Consult the local waste disposal expert about waste disposal.

Non-contaminated packages may be recycled.

According to (EWC) European Waste Catalogue, allocation of waste identity numbers/waste descriptions must be carried out in a specific way for every industry and process. Control report for waste code/ waste marking according to (EWC) European Waste Catalogue:

List of Wastes Code - residues/unused products

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200129 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS; separately collected fractions (except 15 01); detergents containing hazardous substances; hazardous waste

List of Wastes Code - used product

200129 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS; separately collected fractions (except 15 01); detergents containing hazardous substances; hazardous waste

List of Wastes Code - contaminated packaging


150110 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by hazardous substances; hazardous waste

Contaminated packaging


Handle contaminated packages in the same way as the substance itself.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number or ID number:	UN 3266
14.2. UN proper shipping name:	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (Disodium metasilicate)
14.3. Transport hazard class(es):	8
14.4. Packing group:	III
Hazard label:	8
	
Classification code:	C5
Special Provisions:	274
Limited quantity:	5 L
Excepted quantity:	E1
Transport category:	3
Hazard No:	80
Tunnel restriction code:	E

Inland waterways transport (ADN)

14.1. UN number or ID number:	UN 3266
14.2. UN proper shipping name:	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (Disodium metasilicate)
14.3. Transport hazard class(es):	8
14.4. Packing group:	III
Hazard label:	8
	
Classification code:	C5
Special Provisions:	274
Limited quantity:	5 L
Excepted quantity:	E1

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Marine transport (IMDG)

14.1. UN number or ID number:	UN 3266
14.2. UN proper shipping name:	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (Disodium metasilicate)
14.3. Transport hazard class(es):	8
14.4. Packing group:	III
Hazard label:	8



Marine pollutant:	NO
Special Provisions:	223, 274
Limited quantity:	5 L
Excepted quantity:	E1
EmS:	F-A, S-B

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number or ID number:	UN 3266
14.2. UN proper shipping name:	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (Disodium metasilicate)
14.3. Transport hazard class(es):	8
14.4. Packing group:	III
Hazard label:	8



Special Provisions:	A3 A803
Limited quantity Passenger:	1 L
Passenger LQ:	Y841
Excepted quantity:	E1
IATA-packing instructions - Passenger:	852
IATA-max. quantity - Passenger:	5 L
IATA-packing instructions - Cargo:	856
IATA-max. quantity - Cargo:	60 L

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

14.6. Special precautions for user

Safe handling: see section 7

Personal protection equipment: see section 8

14.7. Maritime transport in bulk according to IMO instruments

not relevant

SECTION 15: Regulatory information

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

EU regulatory information

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 55, Entry 75

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2010/75/EU (VOC):	not determined
2004/42/EC (VOC):	not determined
Information according to 2012/18/EU (SEVESO III):	Not subject to 2012/18/EU (SEVESO III)

Additional information

Safety Data Sheet according to UK-REACH Regulation
 The mixture is classified as hazardous according to GHS (GB CLP).
 UK REACH Appendix XVII, No (mixture): 3

National regulatory information

Employment restrictions:	Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).
Water hazard class (D):	2 - obviously hazardous to water

15.2. Chemical safety assessment

For the following substances of this mixture a chemical safety assessment has been carried out:
 disodium metasilicate
 2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether

SECTION 16: Other information

Changes

Rev. 1,0; Initial release: 07.05.2018
 Rev. 2.0; Revision, 01.04.2020 Changes in chapter: 2-16
 Rev. 3.0; Revision, 01.03.2023 Changes in chapter: 1-16

Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
 CAS: Chemical Abstracts Service
 CLP: Classification, Labeling, Packaging
 DNEL: Derived No Effect Level
 d: day(s)
 EINECS: European Inventory of Existing Commercial Chemical Substances
 ELINCS: European List of Notified Chemical Substances
 ECHA: European Chemicals Agency
 ECOSAR: Ecological Structure Activity Relationships
 EWC: European Waste Catalogue
 IARC: INTERNATIONAL AGENCY FOR RESEARCH ON CANCER
 IMDG: International Maritime Code for Dangerous Goods
 IATA: International Air Transport Association
 IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
 ICAO: International Civil Aviation Organization
 ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)
 IUCLID: International Uniform Chemical Information Database
 GHS: Globally Harmonized System of Classification and Labelling of Chemicals
 GefStoffV: Gefahrstoffverordnung (Ordinance on Hazardous Substances, Germany)
 OECD: Organisation for Economic Co-operation and Development
 PNEC: Predicted No Effect Concentration
 PBT: Persistent, bio-cumulative, toxic
 QSAR: Quantitative Structure-Activity Relationship

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RID: Regulation Concerning the International Transport of Dangerous Goods by Rail

RTECS: Registry of Toxic Effects of Chemical Substances

SVHC: Substance of Very High Concern

TRGS: Technische Regeln für Gefahrstoffe

UN: United Nations

UVCB: Chemical Substances of Unknown or Variable Composition, Complex Reaction Products and Biological Materials

vPvB: very persistent and very bio-cumulative

VOC: Volatile Organic Compounds

w: week(s)

Classification for mixtures and used evaluation method according to GB CLP Regulation

Classification	Classification procedure
Skin Corr. 1; H314	On basis of test data
Eye Dam. 1; H318	On basis of test data

Relevant H and EUH statements (number and full text)

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.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.

Further Information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)