Safety data sheet
according to Regulation (EC) No 1907/2006, Article 31

Printing date 13.05.2024 *Version number 1* *Revision: 13.05.2024*

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

· **1.1 Product identifier**

· **Trade name: A200**

· **Article number:** 6621XX
· **UFI:** PPD5-N0SN-M000-Q15G
· **1.2 Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
· **Application of the substance / the mixture** Cleaning agent/ Cleaner

· **1.3 Details of the supplier of the safety data sheet**
· **Manufacturer/Supplier:**
Chemische Fabrik Dr. Stöcker GmbH & Co. KG
Gewerbestrasse 19-25
D-55546 Pfaffen-Schwabenheim
+49 (0)6701 911780

· **Further information obtainable from:**
Safety Department
sicherheit@dr-stoecker.de
· **1.4 Emergency telephone number:**
INTERNATIONAL: +49 (0) 6132 / 84463 (GBK Gefahrgut Büro GmbH, Ingelheim)

SECTION 2: Hazards identification

· **2.1 Classification of the substance or mixture**
· **Classification according to Regulation (EC) No 1272/2008**

Acute Tox. 4	H332 Harmful if inhaled.
Skin Corr. 1A	H314 Causes severe skin burns and eye damage.
Eye Dam. 1	H318 Causes serious eye damage.
STOT SE 3	H335 May cause respiratory irritation.

· **2.2 Label elements**
· **Labelling according to Regulation (EC) No 1272/2008**
The product is classified and labelled according to the CLP regulation.
· **Hazard pictograms**

GHS05 GHS07

· **Signal word** Danger

· **Hazard-determining components of labelling:**
2-aminoethanol
potassium hydroxide
D-Glucopyranose, oligomers, decyl octyl glycosides
1-hydroxyethane-1,1-diylbis(phosphonic acid)
· **Hazard statements**
H332 Harmful if inhaled.
H314 Causes severe skin burns and eye damage.
H335 May cause respiratory irritation.
· **Precautionary statements**
P260 Do not breathe dusts or mists.
P280 Wear protective gloves / eye protection / face protection.

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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**
· **Results of PBT and vPvB assessment**
· **PBT:** Not applicable.
· **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

· **3.2 Mixtures**
· **Description:** Mixture of substances listed below with nonhazardous additions.

· **Dangerous components:**

CAS: 141-43-5 EINECS: 205-483-3 Reg.nr.: 01-2119486455-28	2-aminoethanol Skin Corr. 1B, H314; Eye Dam. 1, H318; Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; STOT SE 3, H335; Aquatic Chronic 3, H412 Specific concentration limit: STOT SE 3; H335: C ≥ 5 %	≥10-<25%
CAS: 1310-58-3 EINECS: 215-181-3 Reg.nr.: 01-2119487136-33	potassium hydroxide Met. Corr.1, H290; Skin Corr. 1A, H314; Acute Tox. 4, H302 Specific concentration limits: Skin Corr. 1A; H314: C ≥ 5 % Skin Corr. 1B; H314: 2 % ≤ C < 5 % Skin Irrit. 2; H315: 0,5 % ≤ C < 2 % Eye Dam. 1; H318: C ≥ 2 % Eye Irrit. 2; H319: 0,5 % ≤ C < 2 %	≥5-≤10%
EC number: 931-333-8 Reg.nr.: 01-2119489410-39	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-,N-(C8-18 and C18-unsatd.) acylderivs., hydroxides, inner salts Eye Dam. 1, H318; Aquatic Chronic 3, H412 Specific concentration limits: Eye Dam. 1; H318: C ≥ 10 % Eye Irrit. 2; H319: 4 % ≤ C < 10 %	<2,5%
CAS: 68515-73-1 NLP: 500-220-1 Reg.nr.: 01-2119488530-36	D-Glucopyranose, oligomers, decyl octyl glycosides Eye Dam. 1, H318	≥1-≤2,5%
CAS: 110615-47-9 EC number: 600-975-8 Reg.nr.: 01-2119489418-23	D-Glucopyranose, oligomeric, C10-16-alkyl glycosides Eye Dam. 1, H318; Skin Irrit. 2, H315 Specific concentration limits: Skin Irrit. 2; H315: C ≥ 30 % Eye Dam. 1; H318: C ≥ 12 %	≥0-≤2,5%
CAS: 2809-21-4 EINECS: 220-552-8 Reg.nr.: 01-2119510391-53	1-hydroxyethane-1,1-diylbis(phosphonic acid) Met. Corr.1, H290; Eye Dam. 1, H318; Acute Tox. 4, H302	≥1-≤2,5%

· **Additional information:** For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

· **4.1 Description of first aid measures**
· **General information:** Immediately remove any clothing soiled by the product.

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· **After inhalation:**
In case of unconsciousness place patient stably in side position for transportation.
Call a doctor immediately.
· **After skin contact:** Call a doctor immediately.
· **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.
· **After swallowing:**
Do not induce vomiting; call for medical help immediately.
Rinse out mouth and then drink plenty of water.
· **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.
· **4.3 Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

SECTION 5: Firefighting measures

· **5.1 Extinguishing media**
· **Suitable extinguishing agents:**
CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
· **5.2 Special hazards arising from the substance or mixture** No further relevant information available.
· **5.3 Advice for firefighters**
· **Protective equipment:** No special measures required.
· **Additional information**
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

SECTION 6: Accidental release measures

· **6.1 Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
Ensure adequate ventilation
Use respiratory protective device against the effects of fumes/dust/aerosol.
· **6.2 Environmental precautions:** Dilute with plenty of water.
· **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Use neutralising agent.
Dispose contaminated material as waste according to section 13.
Ensure adequate ventilation.
· **6.4 Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

· **7.1 Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
· **Information about fire - and explosion protection:** No special measures required.

· **7.2 Conditions for safe storage, including any incompatibilities**
· **Storage:**
· **Requirements to be met by storerooms and receptacles:**
Store only in the original receptacle.
Provide alkali-resistant floor.

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· **Information about storage in one common storage facility:** Not required.
· **Further information about storage conditions:**
Protect from frost.
Keep container tightly sealed.
Protect from heat and direct sunlight.
· **Storage class:** 8 A
· **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

· **8.1 Control parameters**

· **Ingredients with limit values that require monitoring at the workplace:**	
141-43-5 2-aminoethanol	
AGW (Germany)	Long-term value: 0,5 mg/m³, 0,2 ppm 1(I);DFG, EU, H, Y, Sh, 11
2809-21-4 1-hydroxyethane-1,1-diylbis(phosphonic acid)	
MAK (Germany)	vgl. Abschn. IIb und Xc

· **DNELs**		
141-43-5 2-aminoethanol		
Oral	Long term - systemic effects, general population	3,75 mg/kg bw/day (general population)
Dermal	Long-term - systemic effects, worker	1 mg/kg bw/day (worker)
	Long term - systemic effects, general population	0,24 mg/kg bw/day (general population)
Inhalative	Long-term - local effects, worker	3,3 mg/m3 (worker)
	Long term - local effects, general population	2 mg/m3 (general population)
1310-58-3 potassium hydroxide		
Inhalative	Long-term - local effects, worker	1 mg/m3 (worker)
	Long term - local effects, general population	1 mg/m3 (general population)
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-,N-(C8-18 and C18-unsatd.) acylderivs., hydroxides, inner salts		
Oral	Long term - systemic effects, general population	7,5 mg/kg bw/day (general population)
Dermal	Long-term - systemic effects, worker	12,5 mg/kg bw/day (worker)
	Long term - systemic effects, general population	7,5 mg/kg bw/day (general population)
Inhalative	Long-term - systemic effects, worker	44 mg/m3 (worker)
68515-73-1 D-Glucopyranose, oligomers, decyl octyl glycosides		
Dermal	Long-term - systemic effects, worker	595.000 mg/kg bw/day (worker)
Inhalative	Long-term - systemic effects, worker	420 mg/m3 (worker)
110615-47-9 D-Glucopyranose, oligomeric, C10-16-alkyl glycosides		
Oral	Long term - systemic effects, general population	35,7 mg/kg bw/day (general population)
Dermal	Long-term - systemic effects, worker	595.000 mg/kg bw/day (worker)
	Long term - systemic effects, general population	357.000 mg/kg bw/day (general population)
Inhalative	Long-term - systemic effects, worker	420 mg/m3 (worker)
	Long term - systemic effects, general population	124 mg/m3 (general population)
2809-21-4 1-hydroxyethane-1,1-diylbis(phosphonic acid)		
Oral	Long-term - systemic effects, worker	13 mg/kg bw/day (worker)
	Long term - systemic effects, general population	6,5 mg/kg bw/day (general population)

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· **PNECs**

141-43-5 2-aminoethanol	
Aquatic compartment - freshwater	0,085 mg/l (Sweet Water / Süsswasser)
Aquatic compartment - marine water	0,0085 mg/l (marine water)
Aquatic compartment - water, intermittent releases	0,025 mg/l (intermittent release water)
Aquatic compartment - sediment in freshwater	0,425 mg/kg sed dw (Sweet Water / Süsswasser)
Aquatic compartment - sediment in marine water	0,0425 mg/kg sed dw (marine water)
Terrestrial compartment - soil	0,035 mg/kg dw (soil)
sewage treatment plant	100 mg/l (sewage treatment plant)
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-,N-(C8-18 and C18-unsatd.) acylderivs., hydroxides, inner salts	
Aquatic compartment - freshwater	0,0135 mg/l (freshwater)
Aquatic compartment - marine water	0,0014 mg/l (marine water)
Aquatic compartment - sediment in freshwater	1 mg/kg sed dw (sediment fresh water)
Aquatic compartment - sediment in marine water	0,1 mg/kg sed dw (sediment marine water)
Terrestrial compartment - soil	0,8 mg/kg dw (soil)
sewage treatment plant	3.000 mg/l (sewage treatment plant)
68515-73-1 D-Glucopyranose, oligomers, decyl octyl glycosides	
Aquatic compartment - freshwater	0,176 mg/l (freshwater)
Aquatic compartment - marine water	0,018 mg/l (marine water)
Aquatic compartment - sediment in freshwater	1,516 mg/kg sed dw (sediment fresh water)
Aquatic compartment - sediment in marine water	0,152 mg/kg sed dw (sediment marine water)
Terrestrial compartment - soil	0,654 mg/kg dw (soil)
sewage treatment plant	560 mg/l (sewage treatment plant)
110615-47-9 D-Glucopyranose, oligomeric, C10-16-alkyl glycosides	
Aquatic compartment - freshwater	0,176 mg/l (freshwater)
Aquatic compartment - marine water	0,018 mg/l (marine water)
Aquatic compartment - water, intermittent releases	0,0295 mg/l (intermittent release water)
Aquatic compartment - sediment in freshwater	1,516 mg/kg sed dw (sediment fresh water)
Aquatic compartment - sediment in marine water	0,065 mg/kg sed dw (marine water)
Terrestrial compartment - soil	0,654 mg/kg dw (soil)
sewage treatment plant	5.000 mg/l (sewage treatment plant)
Oral secondary poisoning	111,11 mg/kg food (food sec poisoning)
2809-21-4 1-hydroxyethane-1,1-diylbis(phosphonic acid)	
Aquatic compartment - freshwater	0,136 mg/l (freshwater)
Aquatic compartment - marine water	0,0136 mg/l (marine water)
Aquatic compartment - sediment in freshwater	59 mg/kg sed dw (sediment fresh water)
Aquatic compartment - sediment in marine water	5,9 mg/kg sed dw (sediment marine water)
Terrestrial compartment - soil	96 mg/kg dw (soil)
sewage treatment plant	20 mg/l (sewage treatment plant)
Oral secondary poisoning	12 mg/kg food (food sec poisoning)

· **Additional information:** The lists valid during the making were used as basis.

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· ***8.2 Exposure controls***
· ***Appropriate engineering controls*** *No further data; see section 7.*
· ***Individual protection measures, such as personal protective equipment***
· ***General protective and hygienic measures:***
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.
Do not eat, drink, smoke or sniff while working.
· ***Respiratory protection:***
Filter B
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
Use suitable respiratory protective device only when aerosol or mist is formed.
· ***Hand protection***
Protective gloves
Alkaline resistant gloves
· ***Material of gloves***
Butyl rubber
Recommended material thickness: ≥ 0.5 mm
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
· ***Penetration time of glove material***
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
· ***Eye/face protection*** *Tightly sealed goggles*
· ***Body protection:*** *Alkaline resistant protective clothing*

SECTION 9: Physical and chemical properties

· ***9.1 Information on basic physical and chemical properties***
· ***General Information***

· ***Physical state***	*Fluid*
· ***Colour:***	*Red*
· ***Odour:***	*Characteristic*
· ***Odour threshold:***	*No further relevant information available.*
· ***Melting point/freezing point:***	*No further relevant information available.*
· ***Boiling point or initial boiling point and boiling range***	*No further relevant information available.*
· ***Flammability***	*Not applicable.*
· ***Lower and upper explosion limit***	
· ***Lower:***	*Not applicable.*
· ***Upper:***	*Not applicable.*
· ***Flash point:***	*93 °C (141-43-5 2-aminoethanol)*
· ***Auto-ignition temperature:***	*385 °C (141-43-5 2-aminoethanol)*
· ***Decomposition temperature:***	*No further relevant information available.*
· ***pH at 20 °C***	*13-14 (DIN 19268)*
· ***Viscosity:***	
· ***Kinematic viscosity***	*Not determined.*
Dynamic:	*Not determined.*

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· **Solubility**	
· **water:**	Fully miscible.
· **Partition coefficient n-octanol/water (log value)**	Does not apply to mixtures.
· **Vapour pressure at 20 °C:**	23 hPa (7732-18-5 water, distilled, conductivity or of similar purity)
· **Density and/or relative density**	
· **Density at 20 °C:**	1,165-1,175 g/cm³ (DIN 51757)
· **Relative density**	No further relevant information available.
· **Vapour density**	No further relevant information available.
· **9.2 Other information**	
· **Appearance:**	
· **Form:**	Fluid
· **Ignition temperature:**	Product is not selfigniting.
· **Explosive properties:**	Product does not present an explosion hazard.
· **Molecular formula**	
· **Oxidising properties**	No further relevant information available.
· **Evaporation rate**	No further relevant information available.
· **Information with regard to physical hazard classes**	
· **Explosives**	Void
· **Flammable gases**	Void
· **Aerosols**	Void
· **Oxidising gases**	Void
· **Gases under pressure**	Void
· **Flammable liquids**	Void
· **Flammable solids**	Void
· **Self-reactive substances and mixtures**	Void
· **Pyrophoric liquids**	Void
· **Pyrophoric solids**	Void
· **Self-heating substances and mixtures**	Void
· **Substances and mixtures, which emit flammable gases in contact with water**	Void
· **Oxidising liquids**	Void
· **Oxidising solids**	Void
· **Organic peroxides**	Void
· **Corrosive to metals**	Void
· **Desensitised explosives**	Void

SECTION 10: Stability and reactivity

· **10.1 Reactivity** No further relevant information available.
· **10.2 Chemical stability**
· **Thermal decomposition / conditions to be avoided:**
No decomposition if used and stored according to specifications.
· **10.3 Possibility of hazardous reactions** No dangerous reactions known.
· **10.4 Conditions to avoid** No further relevant information available.
· **10.5 Incompatible materials:** No further relevant information available.
· **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

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SECTION 11: Toxicological information

· **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
· **Acute toxicity** Harmful if inhaled.

· **LD/LC50 values relevant for classification:**

141-43-5 2-aminoethanol		
Oral	LD50	1.515 mg/kg (rat)
Dermal	LD50	2.504 mg/kg (rabbit)
Inhalative	LC50/4 h	1,3 mg/l (rat)
	EC50/72 h	2,5 mg/l (Selenastrum capricornutum)
		15 mg/l (Scenedesmus subspicatus)
1310-58-3 potassium hydroxide		
Oral	LD50	>300 mg/kg (rat) (OECD 425)
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-,N-(C8-18 and C18-unsatd.) acylderivs., hydroxides, inner salts		
Oral	LD50	2.430 mg/kg (rat)
Dermal	LD50	>5.000 mg/kg (rat)
68515-73-1 D-Glucopyranose, oligomers, decyl octyl glycosides		
Oral	LD50	>2.000 mg/kg (rat)
Dermal	LD50	>2.000 mg/kg (rabbit) (OECD 402)
110615-47-9 D-Glucopyranose, oligomeric, C10-16-alkyl glycosides		
Oral	LD50	>5.000 mg/kg (rat)
Dermal	LD50	>2.000 mg/kg (rabbit) (OECD 402)
2809-21-4 1-hydroxyethane-1,1-diylbis(phosphonic acid)		
Oral	LD50	1.878 mg/kg (rat)
Dermal	LD50	>5.000 mg/kg (rabbit)

· **Specific symptoms in biological assay:**

110615-47-9 D-Glucopyranose, oligomeric, C10-16-alkyl glycosides		
Oral	Subakut NOAEL	1.000 mg/kg (rat)

· **Skin corrosion/irritation** Causes severe skin burns and eye damage.
· **Serious eye damage/irritation** Causes serious eye damage.
· **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
· **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
· **Carcinogenicity** Based on available data, the classification criteria are not met.
· **Reproductive toxicity** Based on available data, the classification criteria are not met.
· **STOT-single exposure** May cause respiratory irritation.
· **STOT-repeated exposure** Based on available data, the classification criteria are not met.
· **Aspiration hazard** Based on available data, the classification criteria are not met.
· **11.2 Information on other hazards**

· **Endocrine disrupting properties**

1222-05-5	1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran	List II

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SECTION 12: Ecological information

· **12.1 Toxicity**

· **Aquatic toxicity:**	
141-43-5 2-aminoethanol	
LC50/48 h	224 mg/l (Leuciscus idus)
EC20	>1.000 mg/l (bel) (OECD 209/ISO 8192)
LC50/96 h	170 mg/l (carp)
	150 mg/l (Oncorhynchus mykiss)
EC50	110 mg/l (Pseudomonas putida)
EC50/48 h	65 mg/l (Daphnia magna)
1310-58-3 potassium hydroxide	
LC50/96 h	80 mg/l (Gambusia affinis)
	45,4 mg/l (Oncorhynchus mykiss)
EC50/48 h	40,4 mg/l (Ceriodaphnia dubia)
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-,N-(C8-18 and C18-unsatd.) acylderivs., hydroxides, inner salts	
NOEC	0,1-1 mg/l (Oncorhynchus mykiss)
NOEC 21 d	0,3 mg/l (Daphnia magna)
LC50/96 h	>1-10 mg/l (fish)
EC50/48 h	1,9 mg/l (Daphnia magna)
EC50/72 h	>1-10 mg/l (Scenedesmus subspicatus)
68515-73-1 D-Glucopyranose, oligomers, decyl octyl glycosides	
NOEC 28 d	1,8 mg/l (Danio rerio)
NOEC 21 d	2 mg/l (Daphnia magna)
LC50/28 d	3,2 mg/l (Danio rerio)
ErC50/72 h	27,22 mg/l (Desmodesmus subspicatus) (DIN 38412 T.9)
LC50/96 h	100,8 mg/l (Danio rerio) (DIN EN ISO 7346/1-3)
EC50/48 h	>100 mg/l (Daphnia magna) (OECD 202)
EC50/6h	>560 mg/l (Pseudomonas putida)
110615-47-9 D-Glucopyranose, oligomeric, C10-16-alkyl glycosides	
NOEC 28 d	1,8 mg/l (bra)
NOEC 21 d	1 mg/l (Daphnia magna)
LC50/96 h	2,95 mg/l (zeb)
EC50/48 h	>7 mg/l (Daphnia magna)
EC50/72 h	19 mg/l (Scenedesmus subspicatus)
2809-21-4 1-hydroxyethane-1,1-diylbis(phosphonic acid)	
LC50/96 h	195 mg/l (fish)
EC50/48 h	527 mg/l (Daphnia magna) (OECD 202)

· **12.2 Persistence and degradability**	
68515-73-1 D-Glucopyranose, oligomers, decyl octyl glycosides	
OECD 301 E	100 % (_)

· **12.3 Bioaccumulative potential** No further relevant information available.

· **12.4 Mobility in soil** No further relevant information available.

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· **12.5 Results of PBT and vPvB assessment**
· **PBT:** Not applicable.
· **vPvB:** Not applicable.
· **12.6 Endocrine disrupting properties** For information on endocrine disrupting properties see section 11.
· **12.7 Other adverse effects**
· **Additional ecological information:**
· **General notes:**
Must not reach sewage water or drainage ditch undiluted or unneutralised.
Rinse off of bigger amounts into drains or the aquatic environment may lead to increased pH-values. A high pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably reduced, so that after the use of the product the aqueous waste, emptied into drains, is only low water-dangerous.
Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water
Do not allow product to reach ground water, water course or sewage system.
Danger to drinking water if even small quantities leak into the ground.

SECTION 13: Disposal considerations

· **13.1 Waste treatment methods**
· **Recommendation**
Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Uncleaned packaging:**
· **Recommendation:** Disposal must be made according to official regulations.
· **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

SECTION 14: Transport information

· **14.1 UN number or ID number**
· **ADR, IMDG, IATA** UN1719
· **14.2 UN proper shipping name**
· **ADR, IMDG, IATA** CAUSTIC ALKALI LIQUID, N.O.S. (POTASSIUM HYDROXIDE, ETHANOLAMINE)
· **14.3 Transport hazard class(es)**
· **ADR**

· **Class** 8 (C5) Corrosive substances.
· **Label** 8

· **IMDG, IATA**

· **Class** 8 Corrosive substances.
· **Label** 8
· **14.4 Packing group**
· **ADR, IMDG, IATA** II
· **14.5 Environmental hazards:** Not applicable.
· **14.6 Special precautions for user** Warning: Corrosive substances.

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· **Hazard identification number (Kemler code):**	80
· **EMS Number:**	F-A,S-B
· **Segregation groups**	(SGG18) Alkalis
· **Stowage Category**	A
· **Segregation Code**	SG22 Stow "away from" ammonium salts SG35 Stow "separated from" SGG1-acids
· **14.7 Maritime transport in bulk according to IMO instruments**	Not applicable.
· **Transport/Additional information:**	
· **ADR**	
· **Limited quantities (LQ)**	1L
· **Excepted quantities (EQ)**	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· **Transport category**	2
· **Tunnel restriction code**	E
· **IMDG**	
· **Limited quantities (LQ)**	1L
· **Excepted quantities (EQ)**	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
· **UN "Model Regulation":**	UN 1719 CAUSTIC ALKALI LIQUID, N.O.S. (POTASSIUM HYDROXIDE, ETHANOLAMINE), 8, II

SECTION 15: Regulatory information

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

· **Directive 2012/18/EU**
· **Named dangerous substances - ANNEX I** None of the ingredients is listed.
· **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3

· **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

· **REGULATION (EU) 2019/1148**

· **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

· **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients is listed.

· **Regulation (EC) No 273/2004 on drug precursors**

7647-01-0	hydrogen chloride	3

· **Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

7647-01-0	hydrogen chloride	3

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· ***National regulations:***

· ***Other regulations, limitations and prohibitive regulations***
822.115, Jugendarbeitsschutzverordnung - ArGV 5 und 822.115.2, Verordnung des WBF über gefährliche Arbeiten für Jugendliche sind zu beachten.
ArGV 1 und 822.111.52, Verordnung des WBF über gefährliche und beschwerliche Arbeiten bei Schwangerschaft und Mutterschaft sind zu beachten.
· ***15.2 Chemical safety assessment:*** *A Chemical Safety Assessment has not been carried out.*

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.
This Safety Data Sheets is in compliance with Regulation (EC) No 1907/2006, Article 31 as amended by Regulation (EU) 2020/878.

· ***Relevant phrases***
H290 May be corrosive to metals.
H302 Harmful if swallowed.
H312 Harmful in contact with skin.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
H412 Harmful to aquatic life with long lasting effects.
· ***Classification according to Regulation (EC) No 1272/2008***
The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.

· ***Department issuing SDS:*** *Department R&D*
· ***Contact:*** *Department R&D*
· ***Abbreviations and acronyms:***
ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Met. Corr.1: Corrosive to metals – Category 1
Acute Tox. 4: Acute toxicity – Category 4
Skin Corr. 1A: Skin corrosion/irritation – Category 1A
Skin Corr. 1B: Skin corrosion/irritation – Category 1B
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3
· ***Sources***
(EC) No 1907/2006 (REACH) as amended.
(EC) No. 1272/2008 (CLP) in the valid version
Guidance on the compilation of safety data sheets as amended (ECHA)

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Guidance on labelling and packaging according to Regulation (EC) No 1272/2008 (CLP) as amended (ECHA)
Safety data sheets of the ingredients
ECHA homepage - Information on chemicals