

The safety data sheet complies with Commission Regulation (EU) 878/2020 of 18 June 2020 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH) .

## NOVALON

Creation date	22nd October 2003	Version	20.0
Revision date	31st October 2022		

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

**1.1. Product identifier** NOVALON  
Substance / mixture mixture

**1.2. Relevant identified uses of the substance or mixture and uses advised against**  
**Mixture's intended use**

Concentrated cleaner

#### The use descriptors

IS Use at industrial sites

PW Widespread use by professional workers

#### Mixture uses advised against

The product should not be used in ways other than those referred in Section 1.

**1.3. Details of the supplier of the safety data sheet**

#### Supplier

Name or trade name	NOVATO
Address	Uralská 770/6, Praha, 160 00 Czech Republic
Identification number (CRN)	62910370
VAT Reg No	CZ62910370
Phone	+420 233 339 688
E-mail	petr.johanides@novato.cz
Web address	www.novato.cz

#### Competent person responsible for the safety data sheet

Name	ABITEC
E-mail	info@abitec.cz

**1.4. Emergency telephone number**

European emergency number: 112

### SECTION 2: Hazards identification

**2.1. Classification of the substance or mixture**

#### Classification of the mixture in accordance with Regulation (EC) No 1272/2008

The mixture is classified as dangerous.

Met. Corr. 1, H290  
Skin Corr. 1A, H314  
Eye Dam. 1, H318

#### Most serious adverse physico-chemical effects

The mixture is strongly alkaline. Danger of exothermic reaction in contact with acids. The mixture may corrode metals. Thermal decomposition at high temperatures may release dangerous decomposition products. Avoid inhaling them.

#### Most serious adverse effects on human health and the environment

The concentrated mixture is corrosive with a very high pH. Even in diluted form, it can cause severe irritation or even damage to the eyes (redness, burning in the eyes, tearing, inflammation, damage to the cornea, in extreme cases, loss of vision) and skin (redness, disruption, chemical burns). Inhalation of the sprayed mixture or mist can cause severe irritation of the respiratory tract, coughing, burning of the respiratory system, even burns of the respiratory tract. Ingestion may cause irritation or damage to the digestive tract, abdominal pain and nausea. Vomiting and diarrhea may occur. Ensure against confusion with drinks. The mixture is not classified as harmful to the environment. The release of a large amount of the mixture into the environment can affect the pH of the aquatic environment. Follow the instructions for use to avoid risks to people and the environment. Avoid release to soil, ground or surface water or sewers. The full wording of the classification and H and P phrases is given in Sect. 16 of this safety data sheet.

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### 2.2. Label elements

#### Hazard pictogram



#### Signal word

Danger

#### Hazard statements

H290 May be corrosive to metals.  
 H314 Causes severe skin burns and eye damage.  
 H318 Causes serious eye damage.

#### Precautionary statements

P260 Do not breathe mist and vapours.  
 P280 Wear protective gloves/protective clothing/eye 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.  
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P310 Immediately call a doctor.  
 P405 Store locked up.  
 P501 Dispose of contents/container to in accordance with local regulations.

### 2.3. Other hazards

Neither the mixture nor its components meet the criteria for persistent, bioaccumulative and toxic or highly persistent and highly bioaccumulative substances in accordance with Annex XIII, nor have they been included in the list drawn up in accordance with Article 59, paragraph 1, due to the content of endocrine disruptors, nor has it been determined as a substance with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Chemical characterization

Mixture.

#### Mixture contains these hazardous substances and substances with the highest permissible concentration in the working environment

Identification numbers	Substance name	Content in % weight	Classification according to Regulation (EC) No 1272/2008	Note
Index: 019-002-00-8 CAS: 1310-58-3 EC: 215-181-3 Registration number: 01-2119487136-33	potassium hydroxide	5-8	Acute Tox. 4, H302 Skin Corr. 1A, H314 Specific concentration limit: Skin Irrit. 2, H315: 0.5 % ≤ C < 2 % Skin Corr. 1A, H314: C ≥ 5 % Skin Corr. 1B, H314: 2 % ≤ C < 5 % Eye Irrit. 2, H319: 0.5 % ≤ C < 2 %	1

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Identification numbers	Substance name	Content in % weight	Classification according to Regulation (EC) No 1272/2008	Note
Index: 607-428-00-2 CAS: 64-02-8 EC: 200-573-9 Registration number: 01-2119486762-27	tetrasodium ethylene diamine tetraacetate	<2	Acute Tox. 4, H302 Eye Dam. 1, H318 Specific concentration limit: Eye Dam. 1, H318: C ≥ 3 % Eye Irrit. 2, H319: 1 % ≤ C < 3 %	
CAS: 106232-83-1 EC: 932-186-2	Alcohols, C12-15-branched and linear, ethoxylated (> = 6 - <15 EO)	1-2	Acute Tox. 4, H302 Eye Dam. 1, H318 Aquatic Chronic 3, H412 Specific concentration limit: Eye Dam. 1, H318: C ≥ 3 % Eye Irrit. 2, H319: 1 % ≤ C < 3 % Aquatic Chronic 3, H412: C ≥ 25 %	
CAS: 106232-83-1 EC: 932-186-2	Alcohols, C12-15-branched and linear, ethoxylated (>2.5 EO)	<1	Eye Dam. 1, H318 Aquatic Acute 1, H400 Aquatic Chronic 3, H412 Specific concentration limit: Eye Dam. 1, H318: C ≥ 3 % Eye Irrit. 2, H319: 1 % ≤ C < 3 % Aquatic Chronic 3, H412: C ≥ 25 %	

### Notes

1 A substance for which exposure limits are set.

Full text of all classifications and hazard statements is given in the section 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

In all cases of doubt, or when feeling unwell, seek medical advice and show this safety data sheet to the physician. In case of skin burns, rinse with water and cover with a sterile bandage. In case of life-threatening conditions, perform resuscitation. Place the unconscious person in a stable position and do not give anything by mouth. If necessary (respiratory arrest or irregular breathing), perform artificial respiration. Avoid cooling down. Do not induce vomiting. Avoid inhalation of vomit in case of spontaneous vomiting.

#### If inhaled

If inhalation occurs, leave area, interrupt exposure, rinse mouth with water, inhale water mist, inhale fresh air. Keep victim warm and at rest. Seek medical attention if respiratory tract irritation or mucosal irritation occurs.

#### If on skin

Remove affected clothing. Remove obstacles (rings, bracelets, watches, etc.) at the point of skin contact. Wash thoroughly with water (15 - 30 min.), If the skin is not disturbed with soap and treat with regenerating cream. If signs of irritation, burns or disruption appear, cover with a sterile bandage and seek medical attention immediately.

#### If in eyes

Rinse eyes and surroundings. If the affected person has contact lenses, remove them. Forcibly open eyes, rinse immediately with plenty of clean, lukewarm water, especially under the eyelids. Rinse for at least 15 minutes, seek medical attention. Continue rinsing even during transport to the doctor.

#### If swallowed

Do not induce vomiting. Rinse the mouth with water and drink a glass of water (only if the victim is conscious and not in pain). Do not serve food or attempt neutralization. Seek medical attention immediately and present this safety data sheet.

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

#### If inhaled

Inhalation of spray mixture or mist may cause severe respiratory irritation, coughing, burning or burns of the respiratory system.

#### If on skin

The concentrated mixture is corrosive with a very high pH. May cause severe irritation to skin burns. Even in diluted form, it can cause severe irritation or damage to the skin (redness, disruption and even chemical burns).

#### If in eyes

The concentrated mixture is corrosive with a very high pH. May cause eye damage (pain, burns, corneal damage to blindness). Even in diluted form, it can cause severe irritation or damage to the eyes (redness, burning in the eyes, tearing, inflammation, corneal damage, in extreme cases even damage to the eyes).

#### If swallowed

Ingestion may cause irritation or damage to the gastrointestinal tract, abdominal pain and nausea. Vomiting and diarrhea may occur. Secure against confusion with beverages.

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

In the case of the usual use of the mixture and following the instructions in the instructions for use, immediate medical assistance is not required. Special treatment is required if symptoms of a certain degree occur, according to the data in sections 4.1 and 4.2; is symptomatic.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media

Mixture is not flammable, fire extinguisher adapted to fire in the area. Multipurpose powders, CO<sub>2</sub>, foam, water mist, sand.

#### Unsuitable extinguishing media

Full stream of water.

### 5.2. Special hazards arising from the substance or mixture

Reacts violently with acids and oxidizing agents. May corrode metals. Imperfect thermal decomposition at high temperatures or in case of fire may release hazardous gases (CO<sub>x</sub>, NO<sub>x</sub>, etc.). Avoid inhalation.

### 5.3. Advice for firefighters

Adapt protective equipment to the nature of the fire (self-contained breathing apparatus, emergency suit). Contaminated fire-fighting water can have a very high pH. Combustion residues as well as water after intervention should be disposed of as hazardous waste.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Prevent unauthorized entry, secure and insulate spill area. Ensure adequate ventilation of the work area, do not inhale spray mixture or mist. Avoid contact with skin and eyes - use personal protective equipment. Secure against confusion with beverages.

### 6.2. Environmental precautions

Secure the leak area, catch the leaking mixture. Do not allow to enter drains, soil, surface or ground water. In case of a large liquid leak, monitor the NPK concentrations resp. TLV and inform the relevant government authorities and the flow or sewerage manager.

### 6.3. Methods and material for containment and cleaning up

Stop leak. In the event of a large spill, drain the mixture. In case of a small leak, cover with a suitable sorbent (universal sorbent, sand, diatomaceous earth, sawdust, soil, vermiculite, etc.), store the used sorbent in a closable waste container, mark it and dispose of it as hazardous waste. After neutralization and significant dilution, a small amount can be discharged into the sewer. Wash contaminated area with water.

### 6.4. Reference to other sections

For recommended personal protective equipment, see Section 8. Dispose of unused product according to section 13.

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### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Ensure adequate ventilation of the work area. Protect eyes and skin, do not breathe fumes or spray mixture, use personal protective equipment according to sec. 8. Avoid confusion with beverages. Avoid contact with heat sources. The work area should be equipped with a source of drinking water. Observe the applicable health and safety legislation. Follow the principles of hygiene when working with chemicals, do not eat, drink or smoke while working. Wash hands with warm soap and water before breaks, meals and after work. Avoid release to the environment.

#### 7.2. Conditions for safe storage, including any incompatibilities

Store tightly closed with the lid facing up in the original container in a cool, dry and well-ventilated place. Store away from food, drink and animal feeding stuffs. The warehouse should be equipped with a source of drinking water. Store away from strong acids and oxidizing agents. Keep out of reach of children. Follow the instructions on the label.

Content	Packaging type	Material of package
10 l	jerry can	HDPE
25 l	jerry can	HDPE
40 l	jerry can	HDPE
200 l	barrel / drum	HDPE

#### The specific requirements or rules relating to the substance/mixture

Recommended material for tanks and pipes: stainless steel, HDPE, HDPP.  
 Unsuitable material for tanks and pipes: aluminium, light metals and their alloys.

#### 7.3. Specific end use(s)

Cleaning and degreasing - dilution according to the technical sheet.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### Czech Republic

##### Government Regulation 330/2023 Coll.

Substance name (component)	Type	Value	Note
potassium hydroxide (CAS: 1310-58-3)	PEL	1 mg/m <sup>3</sup>	irritating to mucous membranes (eyes, respiratory system) and skin
	NPK-P	2 mg/m <sup>3</sup>	

#### DNEL

tetrasodium ethylene diamine tetraacetate					
Workers / consumers	Route of exposure	Value	Effect	Value determination	Source
Workers	Inhalation	1.5 mg/m <sup>3</sup>	Chronic effects local		
Workers	Inhalation	3 mg/m <sup>3</sup>	Acute effects local		
Consumers	Inhalation	0.6 mg/m <sup>3</sup>	Chronic effects local		
Consumers	Oral	25 mg/kg/24h	Chronic effects systemic		

#### PNEC

tetrasodium ethylene diamine tetraacetate			
Route of exposure	Value	Value determination	Source
Microorganisms in sewage treatment	43 mg/l		
Freshwater environment	2.2 mg/l		

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tetrasodium ethylene diamine tetraacetate			
Route of exposure	Value	Value determination	Source
Marine water	0.22 mg/l		
Soil (agricultural)	0.72 mg/kg		

### 8.2. Exposure controls

Ensure adequate ventilation, or workspace extraction. In case of insufficient ventilation or spray application, wear suitable respiratory equipment. Avoid contact with skin and eyes. Secure against confusion with beverages and food. Observe hygienic measures when working with chemicals. The work area should be equipped with a source of drinking water. Do not eat, drink or smoke while working. Wash hands with lukewarm soap and water before breaks, meals and after work. Adapt personal protective equipment to the nature of the work.

#### Eye/face protection

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

#### Skin protection

Protective work clothing. Wash affected skin, take off contaminated clothing, wash before reuse. Protective gloves (material eg: natural latex, butyl rubber 0.7 mm, nitrile 0.4 mm, breakthrough time > 480 min. Observe the recommended breakthrough time with glove material.) When choosing, follow the manufacturer's recommendations, the material must be impermeable and resistant to components of the mixture. Before first use, test at a specific workplace. Replace damaged gloves.

#### Respiratory protection

Avoid inhaling the spray mixture. Use exposure mask with an organic vapor filter if exposure limits are exceeded or in a poorly ventilated area. In the event of an accident or prolonged exposure, use self-contained breathing apparatus.

#### Thermal hazard

Not Specified. Avoid heating the mixture and exposure to elevated temperatures.

#### Environmental exposure controls

Secure against leakage into drains, soil, ground and surface waters. Observe the usual environmental precautions.

#### More information

Ensure compliance with governmental regulation 361/2007 Coll., Laying down the conditions for the protection of health at work, as amended, and to fulfill the obligations contained therein.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	liquid
Colour	yellowish
Odour	characteristic
Melting point/freezing point	-5 °C
Boiling point or initial boiling point and boiling range	100 °C
Flammability	non-flammable
Lower and upper explosion limit	not applicable
Flash point	does not apply to mixtures
Auto-ignition temperature	does not apply to mixtures
Decomposition temperature	data not available
pH	13-14 (5% solution at 20 °C)
Kinematic viscosity	data not available
Solubility in water	miscible
Partition coefficient n-octanol/water (log value)	data not available
Vapour pressure	data not available
Density and/or relative density	
Density	1050-1100 g/cm <sup>3</sup> at 20 °C
Relative vapour density	data not available
Particle characteristics	data not available

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### 9.2. Other information

VOC free.

Explosive properties: The mixture does not show explosive properties.

Oxidizing properties: The mixture is not classified as oxidizing.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

If the recommended method of use is followed, there is no risk of dangerous reactions. The mixture is corrosive, strongly alkaline, danger of exothermic reaction in contact with acids.

### 10.2. Chemical stability

The mixture is stable under normal environmental conditions, storage and handling.

### 10.3. Possibility of hazardous reactions

In contact with acids, a dangerous exothermic reaction, heat generation and splashing of the reaction mixture may occur. Hazardous gases may be released by reaction with oxidizing agents.

### 10.4. Conditions to avoid

Heating, frost, contact with open flames and heat sources.

### 10.5. Incompatible materials

Strong acids and bases, oxidizing agents, light metals (aluminum, magnesium, tin, zinc, etc.).

### 10.6. Hazardous decomposition products

Under normal conditions, the mixture does not decompose. Thermal decomposition at high temperatures can produce hazardous decomposition products (CO<sub>x</sub>, NO<sub>x</sub>, etc.)

## SECTION 11: Toxicological information

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

The mixture meets the criteria for classification according to EC Regulation No. 1272/2008. The mixture is classified as dangerous in the sense of EC Regulation No. 1272/2008, as amended.

#### Acute toxicity

The mixture is not classified as acutely toxic by any way of exposure.

Alcohols, C12-15-branched and linear, ethoxylated (> = 6 - <15 EO)							
Route of exposure	Parameter	Value	Exposure time	Species	Sex	Value determination	Source
Oral	LD <sub>50</sub>	300-2000 mg/kg		Rat (Rattus norvegicus)		Observation method	vlastní výsledky testů/lite ránní poznatky
Dermal	LD <sub>50</sub>	>2000 mg/kg		Rabbit			vlastní výsledky testů/lite ránní poznatky
Inhalation	LC <sub>50</sub>	>1.6 mg/l	6 hours	Rat (Rattus norvegicus)		Observation method	Hodnota zadaná v literatuře

Alcohols, C12-15-branched and linear, ethoxylated (>2.5 EO)							
Route of exposure	Parameter	Value	Exposure time	Species	Sex	Value determination	Source
Oral	LD <sub>50</sub>	300-2000 mg/kg		Rat (Rattus norvegicus)			
Dermal	LD <sub>50</sub>	>2000 mg/kg		Rabbit			
Inhalation	LC <sub>50</sub>	>1.6 mg/l	6 hours	Rat			

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potassium hydroxide							
Route of exposure	Parameter	Value	Exposure time	Species	Sex	Value determination	Source
Oral	LD <sub>50</sub>	310-429 mg/kg		Rat (Rattus norvegicus)			85%
Dermal	LD <sub>50</sub>	1260 mg/kg		Rabbit			

tetrasodium ethylene diamine tetraacetate							
Route of exposure	Parameter	Value	Exposure time	Species	Sex	Value determination	Source
Oral	LD <sub>50</sub>	1780-2000 mg/kg		Rat			
Intraperitoneally	LD <sub>50</sub>	330 mg/kg		Rabbit			
Inhalation	LC <sub>50</sub>	30 mg/l	4 hours	Rat			

### Skin corrosion/irritation

The mixture is classified as corrosive, category 1. Etches to skin and mucous membranes.

### Serious eye damage/irritation

The mixture is classified as harmful to the eyes, category 1. Contact with the concentrated mixture may damage the eyes.

### 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.

### Toxicity for specific target organ - single exposure

Based on available data the classification criteria are not met.

### Toxicity for specific target organ - repeated exposure

Based on available data the classification criteria are not met.

### Aspiration hazard

Based on available data, the classification criteria are not met. Inhalation of spray mixture or mist may cause irritation of respiratory tract and mucous membranes.

## 11.2. Information on other hazards

It does not contain substances causing disruption of the endocrine system. The mixture is corrosive. May cause severe irritation to damage to eyes (redness, burning in eyes, tearing, reversible damage, corneal damage to blindness) and skin (redness, itching, irritation, chemical burns). Inhalation of the sprayed mixture or mist can cause irritation of the respiratory tract, coughing, burning of the respiratory system. Ingestion of the liquid may cause burning of the mouth, nausea, abdominal pain, and in extreme cases, disruption of the digestive tract with internal bleeding.



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### SECTION 12: Ecological information

#### 12.1. Toxicity

The ecotoxic effects of the mixture itself have not been evaluated: The mixture may affect the pH of the aquatic environment. Prevent liquid from entering drains and groundwater or surface water. The mixture does not contain substances acting against the active action of microorganisms.

##### Acute toxicity

#### Alcohols, C12-15-branched and linear, ethoxylated (> = 6 - <15 EO)

Parameter	Value	Exposure time	Species	Environment
LC <sub>50</sub>	1-10 mg/l	96 hours	Fish (Cyprinus carpio)	
EC <sub>50</sub>	1-10 mg/l	48 hours	Invertebrates (Daphnia magna)	
EC <sub>50</sub>	1-100 mg/l	72 hours	Algae	

#### Alcohols, C12-15-branched and linear, ethoxylated (>2.5 EO)

Parameter	Value	Exposure time	Species	Environment
LC <sub>50</sub>	1-10 mg/l	96 hours	Fish (Cyprinus carpio)	
EC <sub>50</sub>	1-10 mg/l	48 hours	Invertebrates (Daphnia magna)	
EC <sub>50</sub>	1-100 mg/l	72 hours	Algae (Desmodesmus subspicatus)	

#### potassium hydroxide

Parameter	Value	Exposure time	Species	Environment
LC <sub>50</sub>	85 mg/l	24 hours	Fish	

#### tetrasodium ethylene diamine tetraacetate

Parameter	Value	Exposure time	Species	Environment
LC <sub>50</sub>	41-2070 mg/l	96 hours	Fish (Oncorhynchus mykiss)	
EC <sub>50</sub>	>100 mg/l	48 hours	Invertebrates (Daphnia magna)	
EC <sub>50</sub>	≥100 mg/l	72 hours	Algae (Selenastrum capricornutum)	

#### 12.2. Persistence and degradability

The surfactants contained in this product comply with the biodegradability criteria according to Directive (EU) 648/2004 on detergents, as amended.

#### 12.3. Bioaccumulative potential

Not determined, bioaccumulation is unlikely.

#### 12.4. Mobility in soil

The product is soluble and mobile in water and soil.

#### 12.5. Results of PBT and vPvB assessment

Mixture does not meet the criteria for classification as PBT and vPvB.

#### 12.6. Endocrine disrupting properties

Substances with these properties in accordance with the criteria set out in Commission Regulation (EU) 2017/2100 or (EU) 2018/605 are not included.

#### 12.7. Other adverse effects

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The mixture is not classified as harmful to the environment. Leakage of larger amounts into sewers or water sources can change the pH of the water environment. Avoid release to soil, ground or surface water or sewers. Observe the usual environmental protection measures.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Dispose of as hazardous waste, hand in for disposal to a person authorized to handle hazardous substances or to a hazardous waste collection yard. Do not empty unused mixture into drains, do not dispose of together with municipal waste. Dispose of contaminated packaging in the same way as the hazardous mixture itself. Dispose of mixture and packaging residues in accordance with local waste disposal regulations. Dispose of contaminated packaging as hazardous waste according to local regulations. Uncontaminated packaging can be recycled.

#### Waste management legislation

Waste Act No. 185/2001 Coll. as amended. Act No. 477/2001 Coll., On packaging, as amended. Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste, as amended.

#### Waste type code

20 01 29\* detergents containing hazardous substances  
20 01 15\* Alkalines

#### Packaging waste type code

15 01 10\* packaging containing residues of or contaminated by hazardous substances  
15 01 02 plastic packaging

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

### SECTION 14: Transport information

#### 14.1. UN number or ID number

UN 1814

#### 14.2. UN proper shipping name

POTASSIUM HYDROXIDE SOLUTION

#### 14.3. Transport hazard class(es)

8 Corrosive substances

#### 14.4. Packing group

II

#### 14.5. Environmental hazards

No.

#### 14.6. Special precautions for user

Transport in packages that match the properties of the mixture. Observe the prescribed marking for cargo.

#### 14.7. Maritime transport in bulk according to IMO instruments

Can not be used.

#### Additional information

Always carry closed containers in upright position. Transport in packages that match the properties of the mixture. Observe the prescribed marking for cargo.

Hazard identification No.

80

UN number

1814

Classification code

C5

Safety signs

8



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### Road transport - ADR

Limited quantities	1 L
Excepted quantities	E2

#### Packaging

Packing instructions	P001, IBC02
Mixed packing provisions	MP15

#### Portable tanks and bulk containers

Guidelines	T7
Special provisions	TP2

#### ADR tank

Tank code	L4BN
Special provisions	TU42
Vehicles for tank carriage	AT
Transport category	2
Tunnel restriction code	(E)

### Railway transport - RID

Excepted quantities	E2
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#### Packaging

Packing instructions	P001, IBC02
Mixed packing provisions	MP15

#### Portable tanks and bulk containers

Guidelines	T7
Special provisions	TP2

#### RID Tanks

Tank code	L4BN
Special provisions	TU42
Transport category	0

### Air transport - ICAO/IATA

Packaging instructions for limited amount	Y840
Packaging instructions passenger	851
Cargo packaging instructions	855

### Marine transport - IMDG

EmS (emergency plan)	F-A, S-B
MFAG	705

## SECTION 15: Regulatory information

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

Parliament and of the Council of 18th December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing the European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No. 793/93 and Commission Regulation (EC) No. 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, as amended. COMMISSION REGULATION (EU) 2020/878 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH). Commission Delegated Regulation (EU) 2021/849 of 11 March 2021 amending, for the purposes of adapting to technical and scientific progress, Part 3 of Annex VI to Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labeling and packaging of substances and mixtures. REGULATION (EC) No 648/2004 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 31 March 2004 on detergents, as ammended. Commission Regulation (EU) No 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorization and Restriction of Chemicals.

The safety data sheet complies with Commission Regulation (EU) 878/2020 of 18 June 2020 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH) .

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**Additional information in accordance with Regulation (EC) no. 648/2004 on detergents, as amended**  
5- <15 % Potassium hydroxide, <5 % anionic surfactants, <5 % EDTA and salts thereof

### 15.2. Chemical safety assessment

No chemical hazard assessment was performed for this mixture.

#### More information

This information only indicates the basic regulations listed in this Safety Data Sheet. Please note the possible existence of additional regulations supplementing these Regulations. We refer to all applicable national, international and local regulations and regulations.

## SECTION 16: Other information

### A list of standard risk phrases used in the safety data sheet

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.
H400	Very toxic to aquatic life.
H412	Harmful to aquatic life with long lasting effects.

### Guidelines for safe handling used in the safety data sheet

P260	Do not breathe mist and vapours.
P280	Wear protective gloves/protective clothing/eye 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.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a doctor.
P405	Store locked up.
P501	Dispose of contents/container to in accordance with local regulations.

### Other important information about human health protection

The mixture should not be used for any purpose other than that for which it is intended (see point 1.2). Because the supplier can not control the specific conditions of use of the mixture, it is the responsibility of the user to adapt the prescribed warnings to local laws and regulations. Safety information describes the product in terms of safety and can not be considered as technical product information.

### Key to abbreviations and acronyms used in the safety data sheet

ADR	European agreement concerning the international carriage of dangerous goods by road
BCF	Bioconcentration Factor
CAS	Chemical Abstracts Service
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substance and mixtures
EC	Identification code for each substance listed in EINECS
EC <sub>50</sub>	Concentration of a substance when it is affected 50% of the population
EINECS	European Inventory of Existing Commercial Chemical Substances
EmS	Emergency plan
EU	European Union
EuPCS	European Product Categorisation System
IATA	International Air Transport Association
IBC	International Code For The Construction And Equipment of Ships Carrying Dangerous Chemicals
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization

# SAFETY DATA SHEET

The safety data sheet complies with Commission Regulation (EU) 878/2020 of 18 June 2020 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH) .

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INCI	International Nomenclature of Cosmetic Ingredients
ISO	International Organization for Standardization
IUPAC	International Union of Pure and Applied Chemistry
LC <sub>50</sub>	Lethal concentration of a substance in which it can be expected death of 50% of the population
LD <sub>50</sub>	Lethal dose of a substance in which it can be expected death of 50% of the population
log Kow	Octanol-water partition coefficient
NPK	Maximum admissible concentration
OEL	Occupational Exposure Limits
PBT	Persistent, Bioaccumulative and Toxic
PEL	Permissible Exposure Limit
ppm	Parts per million
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Agreement on the transport of dangerous goods by rail
UN	Four-figure identification number of the substance or article taken from the UN Model Regulations
UVCB	Substances of unknown or variable composition, complex reaction products or biological materials
VOC	Volatile organic compounds
vPvB	Very Persistent and very Bioaccumulative

Acute Tox.	Acute toxicity
Aquatic Acute	Hazardous to the aquatic environment
Aquatic Chronic	Hazardous to the aquatic environment (chronic)
Eye Dam.	Serious eye damage
Met. Corr.	Corrosive to metals
Skin Corr.	Skin corrosion

### Training guidelines

According to § 103 and § 104 of Act No. 262/2006 Coll., The Labor Code, as amended. Inform the personnel about the recommended ways of use, mandatory protective equipment, first aid and prohibited ways of handling the product.

### Recommended restrictions of use

The mixture should not be used for any purpose other than that for which it is intended (see point 1.2). Because the specific conditions of use of the substance are beyond the control of the supplier, it is the responsibility of the user to adapt the prescribed warnings to local laws and regulations. Safety information describes the product in terms of safety and can not be considered as technical product information.

### Information about data sources used to compile the Safety Data Sheet

Manufacturer data and toxicological databases.

### The changes (which information has been added, deleted or modified)

Adaptation of BL updated Annex II of the REACH Regulation as amended by Commission Regulation (EU) 2020/878.

### Statement

The safety data sheet contains the data needed to ensure safety and health at work and environmental protection. These data correspond to the current state of knowledge and experience and are in accordance with applicable legal regulations. They can not be considered as a guarantee of the suitability and usability of the product for a specific application. The user is responsible for the treatment under existing laws and regulations.