

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 ultra

Creation date	22nd October 2003	Version	20
Revision date	31st October 2022		

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

**1.1. Product identifier** NOVALON ultra  
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. 1, 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, and 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.

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### 2.2. Label elements

#### Hazard pictogram



#### Signal word

Danger

#### Hazardous substances

tetrasodium ethylene diamine tetraacetate

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

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

#### 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 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.

#### Supplemental information

5-<15 % Hydroxid draselný, <5 % non-ionic surfactants, <5 % EDTA and salts thereof, perfumes

### 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.

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### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

##### Chemical characterization

Mixture of substances and additives specified below.

**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	5-10	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
Index: 607-428-00-2 CAS: 64-02-8 EC: 200-573-9 Registration number: 01-2119486762-27-0005	tetrasodium ethylene diamine tetraacetate	<2	Acute Tox. 4, H302 Eye Dam. 1, H318 Specific concentration limit: Acute Tox. 4, H302: C ≥ 3 % Eye Dam. 1, H318: 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 case of symptoms of health or if in doubt, seek medical advice and provide information from this safety data sheet. Rinse the skin with water and cover with a sterile dressing. In the case of life-threatening conditions, resuscitate. Ensure warmth and tranquility. Keep the unconscious person in a stabilized position and do not give anything by mouth. Avoid cool. Do not induce vomiting. For spontaneous vomiting, avoid swallowing of vomit.

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### If inhaled

Stop exposure immediately, rinse mouth with water, breathe fresh air. If clothing is affected, remove clothing. Keep the victim calm and protect against catching cold. If necessary (respiratory arrest or irregular breathing), perform artificial respiration with a breathing bag, not directly from mouth to mouth. Seek medical attention if respiratory tract irritation or burns occur.

### If on skin

Remove affected clothing. Remove obstacles (rings, bracelets, watches, etc.) at the point where the skin is touched. Wash thoroughly with water if skin soap has not been affected and treated with regenerating cream. If signs of irritation, corrosion or disturbances appear, cover with a sterile bandage and seek medical advice promptly.

### If in eyes

Rinse eyes and their surroundings. If the affected contact lenses are removed, remove them. Rinse out the eyes from the inner corner of the eye towards the outside of a large amount of clean, lukewarm water, especially the area under the lids. Rinse for at least 15 minutes and seek medical attention. In the flushing, continue 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.

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

### If inhaled

Inhalation of splashes or mists may cause severe respiratory irritation, cough, burning of the respiratory system.

### If on skin

Irritation, itching, redness.

### If in eyes

May cause severe irritation to eye damage (redness, burning in the eyes, tearing, inflammation, corneal damage).

### If swallowed

Ingestion may cause abdominal pain and nausea, irritation, or damage to the digestive tract.

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

In the normal use of the compound, immediate medical assistance is not required. It is required only if the symptoms of a certain degree are attained, as described in paragraphs 4.1 to 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.

#### Unsuitable extinguishing media

Full stream of water.

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

Thermal decomposition at high temperatures can produce dangerous decomposition products (CO<sub>x</sub>, NO<sub>x</sub>, SO<sub>x</sub>, etc.). Do not inhale decomposition products.

### 5.3. Advice for firefighters

Adapt protective equipment to the nature of the fire (self-contained breathing apparatus, emergency suit). Move mixture tanks out of reach of fire if you can do so without risk. Cool the packaging with water spray. Combustion residues and water after intervention should be disposed of as hazardous waste.

## SECTION 6: Accidental release measures

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

Keep unauthorized persons away, secure and isolate leakage area. Ensure adequate ventilation of work area, do not inhale spray mixture or mist. Avoid contact with skin and eyes - use personal protective equipment. Secure against confusion with drinks.

### 6.2. Environmental precautions

Ensure escape area, do not allow to enter into sewers, soil, surface and ground water. In the event of a large leak, monitor NPK concentrations or concentrations. TLV and inform the appropriate governmental authorities and the flow or sewerage manager.

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

Break the leak. In the event of a large spill, drain the mixture. In the event of a small leak, cover with a suitable sorbent (universal sorbent, sand, kieselguhr, sawdust, earth, vermiculite, etc.). Store the used sorbent in a sealing waste container, mark and dispose of as hazardous waste. A small amount after neutralization and significant dilution can be discharged into sewers. Wash contaminated place with water.

**6.4. Reference to other sections**

See the Section 7, 8 and 13.

**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 vapors or spray mixture, do not use personal protective equipment according to sec. 8. Avoid confusion with drinks. Avoid contact with heat sources. The working area should be equipped with a drinking water source. Observe the applicable health and safety legislation. Follow chemical hygiene practices, do not eat, drink, or smoke while working. Wash your hands with soap and warm water before taking a break, eating and after work. Avoid release to the environment.

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

Store tightly sealed in original containers in cool, dry and well-ventilated areas. Store away from food, beverages and feed. The store should be equipped with a source of drinking water. Store away from strong acids and oxidizing agents. Store 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

Storage class 8B - Non-combustible corrosive substances

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

Cleaning and degreasing - dilution according to the degree of contamination - see 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 systemic		
Workers	Inhalation	3 mg/m <sup>3</sup>	Acute effects systemic		
Consumers	Inhalation	0.6 mg/m <sup>3</sup>	Chronic effects systemic		
Consumers	Oral	25 mg/kg/24h	Chronic effects systemic		

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### 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		
Marine water	0.22 mg/l		
Soil (agricultural)	0.72 mg/kg		

### 8.2. Exposure controls

Ensure adequate ventilation or extraction of the work area. In case of insufficient ventilation or spraying use appropriate respiratory protection. Avoid contact with skin and eyes. Make sure you do not mix with drinks and food. Observe hygiene measures for handling chemicals. The work area should be equipped with drinking water sources. Do not eat, drink or smoke while working. Wash hands with lukewarm water and soap before breaks, food and 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 the affected skin, rub off clothing, wash before using again. Protective gloves (material eg: natural latex, butyl rubber 0,7 mm, nitrile 0,4 mm, penetration time > 480 min. Observe the recommended penetration time of the glove material). When selecting the manufacturer's recommendations, the material must be impermeable and resistant to the components of the mixture. Tested in a specific workplace before first use. Replace damaged gloves.

#### Respiratory protection

If the recommended method of use is followed, it is not necessary. In case of mist or aerosol formation, use a mask with a filter, type A.

#### Thermal hazard

Undetermined. Avoid heating the mixture and exposure to elevated temperatures.

#### Environmental exposure controls

Observe usual measures for protection of the environment, see Section 6.2.

#### 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	data not available
Flash point	data not available
Auto-ignition temperature	data not available
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	

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Density	data not available
Relative density	1.05-1.10 g/cm <sup>3</sup> at 20 °C
Relative vapour density	data not available
Particle characteristics	data not available

### 9.2. Other information

Appearance	liquid
Explosive properties	The product does not have explosive properties.
The mixture can corrode metals.	
VOC content: < 0%	

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

Very high temperatures, frost, contact with incompatible materials.

### 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 is not decomposed. Incomplete combustion or thermal decomposition produces toxic products of combustion (CO<sub>x</sub>, NO<sub>x</sub>, hydrocarbons, 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	Source
Oral	LD <sub>50</sub>	300-2000 mg/kg		Rat		
Dermal	LD <sub>50</sub>	>2000 mg/kg		Rabbit		
Inhalation	LC <sub>50</sub>	>1.6 mg/l	6 hours	Rat		

Alcohols, C12-15-branched and linear, ethoxylated (> 2.5 EO)						
Route of exposure	Parameter	Value	Exposure time	Species	Sex	Source
Oral	LD <sub>50</sub>	300-2000 mg/kg		Rat		
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	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	Source
Oral	LD <sub>50</sub>	1780-2000 mg/kg		Rat (Rattus norvegicus)		
Inhalation	LOAEC	30 mg/l		Rat		
Intraperitoneally	LD <sub>50</sub>	330 mg/kg		Rabbit		

### Skin corrosion/irritation

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

### Serious eye damage/irritation

The mixture is classified as harmful to the eyes, category 1. The mixture causes severe damage to 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 the sprayed mixture or fog may result in irritation of the airways 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 were not assessed. Prevent the liquid from leaking into sewers and underground or surface water.

##### 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	
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	72 hours	Algae (Selenastrum capricornutum)	
EC <sub>50</sub>	100 mg/l	72 hours	Invertebrates (Daphnia magna)	

#### 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 mixture is mobile, there is a risk of water contamination.

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

The mixture does not contain substances from the PBT and vPvB groups according to Annex XIII of the REACH Regulation, as amended.

#### 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

The mixture is not classified as harmful to the aquatic environment. The mixture is strongly alkaline. Do not allow to enter soil, ground or surface water or drains. Spillage of large quantities may alter the pH of the aquatic environment.

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### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Dispose of as hazardous waste, hand over to a person authorized to handle hazardous substances or to a hazardous waste collection yard for disposal. Do not empty unused mixture into drains, dispose of with municipal waste. Dispose of contaminated packaging in the same way as your own hazardous mixture. Dispose of packaging and packaging residues in accordance with local waste disposal regulations.

#### Waste management legislation

Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste, as amended. Decision 2000/532/EC establishing a list of wastes, as amended.

#### Waste type code

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

#### Packaging waste type code

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

(\* ) - 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

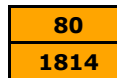
Transport in packages that match the properties of the mixture. Observe the prescribed marking for cargo.

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

Can not be used.

#### Additional information

Hazard identification No.



UN number

C5

Classification code

8

Safety signs



Tunnel restriction code

(E)

#### Air transport - ICAO/IATA

Packaging instructions passenger

851

Cargo packaging instructions

855

#### Marine transport - IMDG

EmS (emergency plan)

F-A, S-B

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### 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.

#### 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 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 product must not be - unless specifically approved by the manufacturer/importer - used for purposes other than as per the Section 1.

#### 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

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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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
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
LOAEC	Lowest observed adverse effect concentration
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.

### 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

REGULATION (EC) No. 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL (REACH) as amended.  
REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. First aid principles after the exposure to the chemicals (Zásady pro poskytování první pomoci při expozici chemickým látkám, doc. MUDr. Daniela Pelclová, CSc., MUDr. Alexandr Fuchs, CSc., MUDr. Miroslava Hornychová, CSc., MUDr. Zdeňka Trávníčková, CSc., Jiřina Fridrichovská, prom. chem.). Data from the manufacturer of the substance / mixture, if available - information from registration dossiers.

### 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. Modification of mixture classification, change of contained substances according to supplier's revision.



## 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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#### 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.

