

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) .

NOVAPĚN Ultra L

Creation date	22nd October 2003	Version	15
Revision date	07th December 2022		

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

1.1. Product identifier NOVAPĚN Ultra L
Substance / mixture mixture

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

Foam for cleaning windows

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.

Flam. Liq. 3, H226

Most serious adverse physico-chemical effects

The mixture is flammable. Avoid contact with open flames, direct sunlight, sparks and sources heat. Thermal decomposition at high temperatures or incomplete combustion may cause release hazardous decomposition products. Avoid breathing fumes. Solvent vapors are heavier than air, accumulates mainly near the floor, can form an explosive mixture when mixed with air.

Most serious adverse effects on human health and the environment

Direct exposure to the concentrated mixture may cause mild eye irritation (redness, burning, tearing). Long-term or repeated contact with the skin may cause degreasing of the skin. Ingestion may experience abdominal pain and nausea. Ensure against confusion with drinks and food. The mixture is not classified as dangerous for aquatic organisms and components of the environment. Prevent leakage into sewers, soil, underground and surface water. Follow the instructions for use to they avoided risks to people and the environment.

The full wording of the H sentences is given in sec. 16 of this safety data sheet.

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2.2. Label elements

Hazard pictogram



Signal word

Warning

Hazard statements

H226 Flammable liquid and vapour.

Precautionary statements

- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P261 Avoid breathing vapours.
- P280 Wear protective gloves/protective clothing/eye protection.
- P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P403+P233 Store in a well-ventilated place. Keep container tightly closed.

2.3. Other hazards

The mixture and its components do not meet the criteria for persistent, bioaccumulative and toxic or highly persistent and highly bioaccumulative substances in accordance with Annex XIII, nor were they included in the list compiled in accordance with Article 59, paragraph 1, due to the content of substances causing disruption of activity of the endocrine system, nor has it been determined as a substance with endocrine disrupting properties activities in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or in 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: 603-002-00-5 CAS: 64-17-5 EC: 200-578-6	ethanol	<30	Flam. Liq. 2, H225 Eye Irrit. 2, H319 Specific concentration limit: Eye Irrit. 2, H319: C ≥ 50 %	1
Index: 603-096-00-8 CAS: 112-34-5 EC: 203-961-6	2-(2-butoxyethoxy)ethanol	<1	Eye Irrit. 2, H319 Specific concentration limit: Eye Irrit. 2, H319: C ≥ 10 %	1, 2, 3

Notes

- 1 A substance for which exposure limits are set.
- 2 The use of the substance is restricted by Annex XVII of REACH Regulation
- 3 Nanoform

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

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SECTION 4: First aid measures

4.1. Description of first aid measures

In the event of health problems or in case of doubt, consult a doctor and provide him with information from this safety data sheet. In case of life-threatening conditions, perform resuscitation. An unconscious person place in a stable position and do not give anything by mouth. Avoid catching cold. Do not induce vomiting. At by spontaneous vomiting, prevent inhalation of vomitus.

If inhaled

Interrupt the exposure, rinse the oral cavity with water. Get a breath of fresh air. If difficulties arise with breathing or respiratory tract irritation, seek medical attention.

If on skin

Wash the skin with lukewarm water and soap and treat with a regenerating cream. Remove clothing if contaminated clothing. Seek medical attention if symptoms of irritation occur.

If in eyes

If the victim wears contact lenses, remove them. With wide open eyes, rinse from the inner corner eyes towards the outside with a large amount of lukewarm water, especially the space under the lids. Rinse for at least 15 min.. In case of persistent problems, seek medical treatment.

If swallowed

Do not induce vomiting. In case of spontaneous vomiting, prevent inhalation of vomitus. Rinse mouth water. Drink a glass of cold water (if the victim is conscious and not in pain). Search medical treatment and present this safety data sheet.

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

If inhaled

not available

If on skin

Long-term or repeated contact with the skin may cause degreasing of the skin.

If in eyes

Direct exposure to the concentrated mixture may cause mild eye irritation (redness, burning, tearing).

If swallowed

Ingestion may experience abdominal pain and nausea.

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

With the usual use of the mixture and compliance with the instructions for use, immediate medical help is not necessary. It is required only if the symptoms reach a certain degree, according to the data in paragraphs 4.1 and 4.2; is symptomatic.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Multi-purpose powders, CO₂, foam, water mist or water jet spray.

Unsuitable extinguishing media

Full stream of water. Crushed water can be used to cool the containers near the fire.

5.2. Special hazards arising from the substance or mixture

Thermal decomposition at high temperatures can produce dangerous decomposition products (CO_x, etc.). Do not inhale thermal decomposition products. Solvent vapors are heavier than air, they accumulate primarily in lower positions, when mixed with air, they can form an explosive mixture. There is a risk of recurrence ignition.

5.3. Advice for firefighters

Remove the mixture containers from the fire area if you can do so without risk. Combustion residues and water after intervention they should be disposed of as hazardous waste.

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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Prevent the entry of unauthorized persons, ensure an escape area. Avoid contact with skin and eyes - use personal protective equipment. Ensure against confusion with drinks and food. Avoid contact with heat sources.

6.2. Environmental precautions

Secure the area of the leak, catch the leaking mixture. Prevent leakage into drains, soil, surface and groundwater. In the event of a large liquid leak, monitor the NPK concentration or TLV and inform the relevant state authorities and stream or sewer manager.

6.3. Methods and material for containment and cleaning up

Prevent leakage. In case of a large leak, pump out the mixture. In the event of a small leak, cover with a suitable sorbent (universal sorbent, sand, diatomaceous earth, sawdust, earth, vermiculite, etc.), used sorbent store in a closable waste container, label and dispose of according to applicable disposal regulations wastes. Wash the contaminated area.

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 sufficient ventilation of the work area. Avoid contact with open flames and other inflammables resources. Protect eyes and skin, avoid inhalation of sprayed mixture. Use personal protective equipment according to Sect. 8. Ensure against confusion with drinks. The work area should be equipped with a source of drinking water.

Observe the applicable health and safety legislation. Follow the principles of work hygiene with chemicals, do not eat, drink or smoke while working. Wash your hands with warm water before breaks, meals and after work soapy water. Avoid release to the environment.

7.2. Conditions for safe storage, including any incompatibilities

Store tightly closed with the cap facing up in the original packaging at a temperature of up to 50 °C in a well-ventilated places. Store away from food, drink and feed.

The warehouse 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 directions on the label.

Storage temperature max. 50 °C

7.3. Specific end use(s)

not available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

The mixture does not contain any constituents of national exposure limits specified in Annex 2, Government Decree 361/2007 Coll., As amended or European Union for Work Environment.

Czech Republic

Government Regulation 330/2023 Coll.

Substance name (component)	Type	Value	Note
ethanol (CAS: 64-17-5)	PEL	1000 mg/m ³	
	PEL	522 ppm	
	NPK-P	3000 mg/m ³	
	NPK-P	1566 ppm	
2-(2-butoxyethoxy)ethanol (CAS: 112-34-5)	PEL	70 mg/m ³	irritating to mucous membranes (eyes, respiratory system) and skin
	NPK-P	100 mg/m ³	

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European Union

Commission Directive 2006/15/EC

Substance name (component)	Type	Value	Note
2-(2-butoxyethoxy)ethanol (CAS: 112-34-5)	OEL 8 hours	67,5 mg/m ³	
	OEL 8 hours	10 ppm	
	OEL 15 minutes	101,2 mg/m ³	
	OEL 15 minutes	15 ppm	

DNEL

2-(2-butoxyethoxy)ethanol					
Workers / consumers	Route of exposure	Value	Effect	Value determination	Source
Workers	Inhalation	67.5 mg/m ³	Chronic effects local		
Workers	Inhalation	101.2 mg/m ³	Acute effects local		
Workers	Dermal	20 mg/kg/24h	Chronic effects systemic		

PNEC

2-(2-butoxyethoxy)ethanol			
Route of exposure	Value	Value determination	Source
Drinking water	1.1 mg/l		
Marine water	0.11 mg/l		
Freshwater sediment	4.4 mg/kg		
Sea sediments	0.44 mg/kg		
Soil (agricultural)	0.32 mg/kg		
Microorganisms in sewage treatment	200 mg/l		
Water (intermittent release)	3.9 mg/l		

8.2. Exposure controls

Ensure sufficient ventilation, or extraction of the working space. In case of insufficient ventilation or spray application, use appropriate respiratory protection. Avoid contact concentrated mixtures with skin and eyes. Ensure against confusion with drinks and food. Observe hygienic measures for working with chemicals. The work area should be equipped with sources of drinking water. Do not eat, drink or smoke while working. Wash your hands with lukewarm water before breaks, meals and after work with soap. Adapt personal protective equipment to the nature of the work.

Eye/face protection

Closed safety glasses.

Skin protection

Protective work clothing. Wash the affected skin, remove the stained clothing, before the next one wash after use. Use in case of increased sensitivity or long-term or repeated exposure safety gloves. When choosing, follow the manufacturer's recommendations, the material must be impermeable and resistant to the components of the mixture. Test at a specific workplace before first use. Replace damaged gloves.

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Respiratory protection

If the recommended method of use is followed, it is not necessary. In a non-ventilated environment, a respirator, self-contained breathing apparatus in the event of an accident.

Thermal hazard

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

Environmental exposure controls

Observe the usual environmental precautions. Avoid leakage into sewers, underground and surface water and soil.

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	clear
Odour	characteristic
Melting point/freezing point	data not available
Boiling point or initial boiling point and boiling range	>76 °C
Flammability	Flammable III. hazard class
Lower and upper explosion limit	
bottom	3.6 %
upper	19 %
Flash point	>23 °C
Auto-ignition temperature	data not available
Decomposition temperature	data not available
pH	6-9 (10% solution)
Kinematic viscosity	data not available
Solubility in water	data not available
Partition coefficient n-octanol/water (log value)	data not available
Vapour pressure	data not available
Density and/or relative density	data not available
Relative vapour density	data not available
Particle characteristics	data not available

9.2. Other information

Density and/or relative density (at 20°C): Approx. 940 kg/m³
VOC content: ~ 30%

SECTION 10: Stability and reactivity

10.1. Reactivity

When used in the standard way, there is not any dangerous reaction with other substances.

10.2. Chemical stability

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

10.3. Possibility of hazardous reactions

In contact with strong acids or oxidizing agents, an exothermic reaction may occur.

10.4. Conditions to avoid

Excessive heating.

10.5. Incompatible materials

Strong acids and bases, strong oxidizing agents.

10.6. Hazardous decomposition products

Under normal conditions, the mixture does not decompose. They are formed by thermal decomposition at high temperatures
dangerous decomposition products: CO_x, etc.

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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

Based on available data the classification criteria are not met.

ethanol					
Route of exposure	Parameter	Value	Exposure time	Species	Sex
Oral	LD ₅₀	7060 mg/kg		Rat	
Dermal	LD ₅₀	20000 mg/kg		Rabbit	
Inhalation	LC ₅₀	124.7 mg/l	4 hours	Rat	

Skin corrosion/irritation

Based on available data the classification criteria are not met.

Serious eye damage/irritation

Based on available data the classification criteria are not met.

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.

11.2. Information on other hazards

It does not contain substances causing disruption of the endocrine system.
Direct exposure to the concentrated mixture may cause mild eye irritation (redness, burning, tearing). Long-term or repeated contact with the skin may cause degreasing of the skin. Ingestion may experience abdominal pain and nausea.

SECTION 12: Ecological information

12.1. Toxicity

The ecotoxic effects of the mixture were not assessed. Observe the usual environmental precautions.

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Acute toxicity

ethanol				
Parameter	Value	Exposure time	Species	Environment
LC ₅₀	8140 mg/l	48 hours	Fish (Leiciscus idus)	
LC ₅₀	1100 mg/l	96 hours	Fish (Alburnus alburnus)	
EC ₅₀	9268 mg/l	48 hours	Invertebrates (Daphnia magna)	

12.2. Persistence and degradability

The mixture is biodegradable.
The surfactants contained in this product are compatible with 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

Well miscible with water.

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

Prevent the mixture from leaking into the soil, ground or surface water or sewerage. Follow the usual environmental protection measures environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Dispose of as waste, hand over for disposal to a person authorized to handle chemical substances or to hazardous waste collection yard. Treat contaminated packaging as you would your own dangerous mixture. Do not pour unused product down the drain or dispose of it together with municipal waste. A small amount after neutralization or dilution can be discharged into the sewer. At the disposal of mixture and packaging residues must be carried out in accordance with local disposal regulations wastes.

Waste management legislation

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 13* Solvents

Packaging waste type code

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 1987

14.2. UN proper shipping name

ALCOHOLS, N.O.S.

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14.3. Transport hazard class(es)

3 Flammable liquids

14.4. Packing group

III

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

not relevant

Additional information

Hazard identification No.

30

UN number

1987

Classification code

F1

Safety signs

3



Tunnel restriction code

(D/E)

Marine transport - IMDG

EmS (emergency plan)

F-E, S-D

MFAG

310

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.

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Restrictions pursuant to Annex XVII of Regulation (EC) No. 1907/2006 (REACH), as amended

2-(2-butoxyethoxy)ethanol

Restriction	Conditions of restriction
55	<p>1. Shall not be placed on the market for the first time after 27 June 2010, for supply to the general public, as a constituent of spray paints or spray cleaners in aerosol dispensers in concentrations equal to or greater than 3 % by weight.</p> <p>2. Spray paints and spray cleaners in aerosol dispensers containing DEGBE and not conforming to paragraph 1 shall not be placed on the market for supply to the general public after 27 December 2010.</p> <p>3. Without prejudice to other Community legislation concerning the classification, packaging and labelling of substances and mixtures, suppliers shall ensure before the placing on the market that paints other than spray paints containing DEGBE in concentrations equal to or greater than 3 % by weight of that are placed on the market for supply to the general public are visibly, legibly and indelibly marked by 27 December 2010 as follows:</p> <p>"Do not use in paint spraying equipment".</p>

Additional information in accordance with Regulation (EC) no. 648/2004 on detergents, as amended

<5 % anionic surfactants

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

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H319	Causes serious eye irritation.

Guidelines for safe handling used in the safety data sheet

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261	Avoid breathing vapours.
P280	Wear protective gloves/protective clothing/eye protection.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.

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

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EC	Identification code for each substance listed in EINECS
EC ₅₀	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
INCI	International Nomenclature of Cosmetic Ingredients
ISO	International Organization for Standardization
IUPAC	International Union of Pure and Applied Chemistry
LC ₅₀	Lethal concentration of a substance in which it can be expected death of 50% of the population
LD ₅₀	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
Eye Irrit.	Eye irritation
Flam. Liq.	Flammable liquid

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

not available

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.