

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) .

## TL FIX

Creation date	25th February 2011	Version	6
Revision date	30th November 2023		

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

- 1.1. Product identifier**  
Substance / mixture TL FIX mixture
- 1.2. Relevant identified uses of the substance or mixture and uses advised against**  
**Mixture's intended use**  
Permanently elastic sealant and adhesive  
**The use descriptors**  
PC 1 Adhesives, sealants  
PW Widespread use by professional workers  
**Mixture uses advised against**  
Not specified. It is recommended to be used only for specified uses. Other uses may expose users to unforeseeable risks.
- 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.  
  
Skin Sens. 1, H317  
**Most serious adverse physico-chemical effects**  
Imperfect thermal decomposition at high temperatures may release dangerous gases. The mixture reacts with acids and strong oxidizing agents. A small amount of methanol may be released during curing.  
**Most serious adverse effects on human health and the environment**  
The mixture contains sensitizing components. May cause an allergic reaction (redness of the skin, dermatitis, cough). When rubbed into the eyes, it causes mild eye irritation (itching, burning). Avoid ingestion. Prevent confusion with food. The mixture is not classified as dangerous for the environment. Avoid release to sewers, soil, ground and surface water. Follow the instructions for use to avoid risks to people and the environment. The full wording of the classification and H phrases is given in Sect. 16 of this safety data sheet.

- 2.2. Label elements**  
**Hazard pictogram**



**Signal word**  
Warning

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### Hazard statements

H317 May cause an allergic skin reaction.

### Precautionary statements

P261 Avoid breathing dust/vapours.  
 P280 Wear protective gloves.  
 P302+P352 IF ON SKIN: Wash with plenty of water and soap.  
 P333+P313 If skin irritation or rash occurs: Get medical advice/attention.  
 P362+P364 Take off contaminated clothing and wash it before reuse.

### Supplemental information

EUH212 Warning! Hazardous respirable dust may be formed when used. Do not breathe dust.

### 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: 022-006-00-2 CAS: 13463-67-7 EC: 236-675-5	titanium dioxide	≤10	Carc. 2, H351 (inhalation)	1, 2, 3
Index: 014-049-00-0 CAS: 2768-02-7 EC: 220-449-8	trimethoxyvinylsilane	≤3	Flam. Liq. 3, H226 Skin Sens. 1B, H317 Acute Tox. 4, H332 Specific concentration limit: Skin Sens. 1B, H317: C ≥ 1 %	
CAS: 68610-51-5 EC: 271-867-2 Registration number: 01-2119496062-39	Phenol, 4-methyl-, reaction products with dicyclopentadiene and isobutylene	≤0,3	Repr. 2, H361 Aquatic Chronic 4, H413 Specific concentration limit: Repr. 2, H361: C ≥ 3 %	
CAS: 1065336-91-5 EC: 915-687-0 Registration number: 01-2119491304-40	Reaction mixture of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	≤0,1	Skin Sens. 1A, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 Specific concentration limit: Skin Sens. 1A, H317: C ≥ 0.1 %	4, 5

### Notes

- Note V: If the substance is to be placed on the market as fibres (with diameter < 3 µm, length > 5 µm and aspect ratio ≥ 3:1) or particles of the substance fulfilling the WHO fibre criteria or as particles with modified surface chemistry, their hazardous properties must be evaluated in accordance with Title II of this Regulation, to assess whether a higher category (Carc. 1B or 1A) and/or additional routes of exposure (oral or dermal) should be applied.
- Note W: It has been observed that the carcinogenic hazard of this substance arises when respirable dust is inhaled in quantities leading to significant impairment of particle clearance mechanisms in the lung.

This note aims to describe the particular toxicity of the substance; it does not constitute a criterion for classification according to this Regulation.

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- 3 Note 10: The classification as a carcinogen by inhalation applies only to mixtures in powder form containing 1 % or more of titanium dioxide which is in the form of or incorporated in particles with aerodynamic diameter  $\leq 10 \mu\text{m}$ .
- 4 A substance for which exposure limits are set.
- 5 Substance for which biological limit values exist.

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

##### If inhaled

If inhalation occurs, leave the area, rinse the oral cavity with water, breathe fresh air. If the victim is not breathing or in case of breathing difficulties, provide artificial respiration with a breathing bag. Keep warm and calm, call for medical help.

##### If on skin

Wipe the product thoroughly, rinse thoroughly with warm water, soap and treat with a regenerating cream. In case of garment contamination, remove the garment. If symptoms of irritation develop, seek medical help.

##### If in eyes

If it has affected contact lenses, remove them if possible. Open wide eyes rinse out of the inner corner of the eye toward 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.

##### If swallowed

Do not induce vomiting, in case of spontaneous vomiting, be careful not to inhale the vomit. Rinse the mouth with water, drink a glass of lukewarm water (only if the victim is conscious and not convulsing). Seek medical attention immediately and present this safety data sheet.

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

##### If inhaled

not available

##### If on skin

Irritation, itching, redness.

##### If in eyes

Irritation, lacrimation, pain.

##### If swallowed

Ingestion may cause nausea or abdominal pain.

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

In the normal use of the mixture, medical assistance is not required.

### 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 or in the event of a fire can produce dangerous decomposition products (COx, TiO<sub>2</sub>). Do not inhale thermal decomposition products.

#### 5.3. Advice for firefighters

Adapt protective equipment to the nature of the fire (self-contained breathing apparatus, emergency suit).

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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. Ensure sufficient ventilation of the work area, ensure against inhalation of dust and vapours. In case of higher contamination, use a respirator. Avoid contact with skin and eyes - use personal protective equipment.
- 6.2. Environmental precautions**  
Observe the usual environmental precautions. Avoid leakage into sewers, soil, surface and ground water. In case of leakage, inform the competent authorities of the state administration and the flow or sewerage manager.
- 6.3. Methods and material for containment and cleaning up**  
In the case of a small leak, mechanically remove the mixture, wipe the remainder with a cloth, contaminate the mixture and place the cloths in a sealing waste container and discard according to section 13. Always use personal protective equipment for disposal. Wash the contaminated area with water.
- 6.4. Reference to other sections**  
Recommended personal protective equipment according to section 8. Dispose of unused product according to section 13.

### SECTION 7: Handling and storage

- 7.1. Precautions for safe handling**  
Follow the recommendations in the operating instructions. Ensure contact with eyes and skin, use personal protective equipment according to part 8. Ensure adequate ventilation of the work area. Ensure food confusion, avoid ingestion. Protect from open fire and heat sources. Observe the applicable health and safety legislation. Observe the principles of hygiene with chemicals, do not eat, drink, smoke. Wash hands with warm soapy water before breaks, meals, and after work.
- 7.2. Conditions for safe storage, including any incompatibilities**  
Store in original packages, in dry and well-ventilated areas. Protect from fire and direct sunlight. Protect from contact with water and excessive moisture. Keep out of the reach of children. Store away from food, drink and animal feed. Follow the instructions on the label.

Content	Packaging type	Material of package
310 ml	tube	

Storage temperature min 5 °C, max 50 °C

- 7.3. Specific end use(s)**  
It is not.

### 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
Methanol (CAS: 1065336-91-5)	PEL	250 mg/m <sup>3</sup>
	NPK-P	1000 mg/m <sup>3</sup>

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### Biological limit values

#### European Union

**Workplace exposure limit values (LHE) according to Commission Directive 2000/39/EC, 2006/15/EC, 2009/161/EC and 2017/164/EC:**

Name	Parameter	Value	Tested material	Time of sampling
Reaction mixture of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate (CAS: 1065336-91-5)	methanol	15 mg/l mg/g of creatinine		End of exposure or end of shift

### DNEL

Phenol, 4-methyl-, reaction products with dicyclopentadiene and isobutylene					
Workers / consumers	Route of exposure	Value	Effect	Value determination	Source
Workers	Dermal	0.42 mg/kg bw/day	Chronic effects systemic		
Workers	Inhalation	0.29 mg/m <sup>3</sup>	Chronic effects systemic		

Reaction mixture of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate					
Workers / consumers	Route of exposure	Value	Effect	Value determination	Source
Workers	Dermal	1.8 mg/kg bw/day	Chronic effects systemic		
Workers	Inhalation	1.27 mg/m <sup>3</sup>	Chronic effects systemic		

titanium dioxide					
Workers / consumers	Route of exposure	Value	Effect	Value determination	Source
Workers	Inhalation	10 mg/m <sup>3</sup>	Chronic effects local		

trimethoxyvinylsilane					
Workers / consumers	Route of exposure	Value	Effect	Value determination	Source
Workers	Dermal	0.69 mg/kg bw/day	Chronic effects systemic		
Workers	Inhalation	4.9 mg/m <sup>3</sup>	Chronic effects systemic		

### PNEC

trimethoxyvinylsilane			
Route of exposure	Value	Value determination	Source
Microorganisms in sewage treatment	110 mg/l		
Freshwater environment	0.34 mg/l		
Marine water	0.034 mg/l		

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### 8.2. Exposure controls

Ensure adequate ventilation or extraction of the work area. Avoid contact with skin and eyes. Observe hygiene measures for handling chemicals. 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

Closed safety glasses.

#### Skin protection

Protective work clothing; Take off contaminated clothing and wash before reuse. Protective gloves (eg: Nitrile 0.1 mm, breakthrough time 480 min.) - when selecting, follow the manufacturer's recommendations, the material must be impermeable and resistant to the components of the mixture. Test on site for first time use. Replace damaged gloves.

#### Respiratory protection

In case of insufficient ventilation, increased dust or vapor concentration, use a respirator. In the event of an accident, use a mask with a filter against organic vapors and aerosols, type A/P2.

#### Thermal hazard

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

#### Environmental exposure controls

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

## SECTION 9: Physical and chemical properties

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

Physical state	solid
Colour	white, grey
Odour	characteristic
Melting point/freezing point	data not available
Boiling point or initial boiling point and boiling range	data not available
Flammability	data not available
Lower and upper explosion limit	data not available
Flash point	>100 °C
Auto-ignition temperature	>200 °C
Decomposition temperature	data not available
pH	data not available
Kinematic viscosity	data not available
Solubility in water	data not available
Partition coefficient n-octanol/water (log value)	data not available
Vapour pressure	<0 kP at 20 °C
Density and/or relative density	
Density	1.57 g/cm <sup>3</sup> at 20 °C
Relative vapour density	data not available
Particle characteristics	data not available

### 9.2. Other information

Explosive properties The product does not have explosive properties.  
Oxidizing properties: The mixture is not classified as oxidizing.  
VOC content: 0,01 % (0,2 g/l)

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

In normal conditions, the mixture does not show dangerous reactions. The mixture hardens with the release of a small amount of methanol.

### 10.2. Chemical stability

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

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**10.3. Possibility of hazardous reactions**

The mixture reacts with acids, oxidizing agents and water, or humidity. In contact with water or moisture releases methanol.

**10.4. Conditions to avoid**

Contact with temperatures outside the recommended working temperature range, frost, contact with water and air humidity.

**10.5. Incompatible materials**

Strong oxidizing agents, acids.

**10.6. Hazardous decomposition products**

In normal conditions, the mixture is not decomposed. Thermal decomposition at high temperatures may produce hazardous decomposition products (COx, TiO2).

**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.

Phenol, 4-methyl-, reaction products with dicyclopentadiene and isobutylene					
Route of exposure	Parameter	Value	Exposure time	Species	Sex
Oral	LD <sub>50</sub>	> 16000 mg/kg		Rat (Rattus norvegicus)	
Dermal	LD <sub>50</sub>	5010 mg/kg		Rabbit	

trimethoxyvinylsilane					
Route of exposure	Parameter	Value	Exposure time	Species	Sex
Oral	LD <sub>50</sub>	7120-7236 mg/kg		Rat	
Dermal	LD <sub>50</sub>	3540 mg/kg		Rabbit	
Inhalation	LC <sub>50</sub>	16.8 mg/l	4 hours	Rat	

**Skin corrosion/irritation**

The mixture is classified as a skin sensitizer, category 1. It may cause an allergic skin reaction.

**Serious eye damage/irritation**

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

**Respiratory or skin sensitisation**

Based on the 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.

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**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.

**More information**

In the case of sensitive individuals may irritate the skin (redness, itching), in the case of direct inhalation into the eyes may irritate the eyes (redness, tearing, burning). Ingestion may cause nausea or abdominal pain.

**11.2. Information on other hazards**

It does not contain substances causing disruption of the endocrine system. The mixture contains sensitizing components. May cause an allergic reaction (redness of the skin, dermatitis, cough). When rubbed into the eyes, it causes mild eye irritation (itching, burning). Ingestion may cause nausea or abdominal pain.

**SECTION 12: Ecological information**

**12.1. Toxicity**

The mixture does not contain ingredients classified as dangerous for the environment.

**Acute toxicity**

titanium dioxide				
Parameter	Value	Exposure time	Species	Environment
LC <sub>50</sub>	>1000 mg/l	96 hours	Fish (Pimephales promelas)	
LC <sub>50</sub>	19.3-27.8 mg/l	48 hours	Invertebrates (Daphnia magna)	

trimethoxyvinylsilane				
Parameter	Value	Exposure time	Species	Environment
LC <sub>50</sub>	191 mg/l	96 hours	Fish (Oncorhynchus mykiss)	
LC <sub>50</sub>	168.7 mg/l	48 hours	Invertebrates (Daphnia magna)	
EC <sub>50</sub>	>500 mg/l	72 hours	Algae (Desmodesmus subspicatus)	

**More information**

The ecotoxic effects of the mixture were not assessed. Do not allow liquid to enter drains or surface water.

**12.2. Persistence and degradability**

Data not available.

**12.3. Bioaccumulative potential**

Data not available.

**12.4. Mobility in soil**

Data not available.

**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.



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### 12.7. Other adverse effects

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

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Proceed in accordance with valid regulations on waste disposal. Perfectly cleaned containers can be submitted for recycling.

#### 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

08 04 09\* waste adhesives and sealants containing organic solvents or other hazardous substances

#### 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

not subject to transport regulations

### 14.2. UN proper shipping name

not relevant

### 14.3. Transport hazard class(es)

not relevant

### 14.4. Packing group

not relevant

### 14.5. Environmental hazards

not relevant

### 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

## 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 amended. 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.

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### SECTION 16: Other information

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

H226	Flammable liquid and vapour.
H317	May cause an allergic skin reaction.
H332	Harmful if inhaled.
H351	Suspected of causing cancer if inhaled.
H361	Suspected of damaging fertility or the unborn child.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.

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

P261	Avoid breathing dust/vapours.
P280	Wear protective gloves.
P302+P352	IF ON SKIN: Wash with plenty of water and soap.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.

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

EUH212	Warning! Hazardous respirable dust may be formed when used. Do not breathe dust.
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#### 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
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 K <sub>ow</sub>	Octanol-water partition coefficient
NPK	Maximum admissible concentration
OEL	Occupational Exposure Limits

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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)
Carc.	Carcinogenicity
Flam. Liq.	Flammable liquid
Repr.	Reproductive toxicity
Skin Sens.	Skin sensitization

### 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 Hornyčová, 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.

### 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.