



**Hazard statements**

H319 Causes serious eye irritation.

**Precautionary statements**

P280 Wear protective gloves/protective clothing/eye protection/face protection.  
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P337 + P313 If eye irritation persists: Get medical advice/attention.

**Additional information for labelling**

EUH208 "Contains mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1), 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction."

**Additional information for labelling**

EUH210 Safety data she Safety data sheet available on request.

**2.3 Other hazards**

The results of the PBT and vPvB assessment can be found in subsection 12.5.

**SECTION 3 Composition/information on ingredients**

**3.1 Substances**

This product is a mixture.

**3.2 Mixtures**

Aqueous plastic dispersion with additives.

**Composition / information on ingredients**

EC-No. CAS-No. INDEX-No.	REACH-No. Designation Classification	Portion
200-664-3 67-68-5	01-2119431362-50-0001 <b>Dimethyl sulfoxide</b>	5,40%
67674-67-3	<b>3-(Polyoxyethylene)propylheptamethyltrisiloxane</b> Acute Tox. 4 H332; Eye Dam. 1 H318; Aquatic Chronic 2; H411	1,30%
204-469-4 121-44-8 612-004-00-5	01-2119475467-26-XXXX <b>Triethylamine</b> Flam. Liq. 2; H225 / Acute Tox. 4; H302 / Acute Tox. 3; H311 / Acute Tox. 3; H331 / Skin Corr. 1A; H314 / Eye Dam. 1; H318 / STOT SE 3; H335 Specific concentration limit (SCL): STOT SE 3 H335 >=1%	0,54%

220-120-9 2634-33-5 613-088-00-6	<b>1,2-benzisothiazol-3(2H)-one</b> Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Dam. 1, H318; Skin Sens. 1, H317; Aquatic Acute 1, H400 (M=1) Aquatic Chronic 2; H411 Specific concentration limit (SCL): Skin Sens. 1; H317 >= 0,05%	<0,01%
55965-84-9 613-167-00-5	<b>Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)</b> Acute Tox. 3, H301; Acute Tox. 2, H310; Acute Tox. 2, H330 Skin Corr. 1B; H314, Skin Irrit.2, H315; Eye Dam. 1, H318 Eye Irrit. 2, H319; Skin Sens. 1, H317; Aquatic Acute 1, H400 (M=100); Aquatic Chronic 1, H410 (M=10) Specific concentration limit (SCL): Skin Corr. 1B; H314 >= 0,6% / Skin Irrit.2; H315 0,06% < C < 0,6% / Eye Irrit. 2, H319 0,06% < C < 0,6% Skin Sens. 1; H317 >= 0,0015%	<0,0015%

The wording of the classification codes is in section 16.

## **SECTION 4 First aid measures**

### **4.1 Description of first aid measures**

<b>General advice</b>	Consult a physician. Show this safety data sheet to the doctor in attendance.
<b>If inhaled</b>	Remove the person to fresh air, in case of indisposition obtain medical advice.
<b>Skin contact</b>	Take off contaminated clothing. Wash off affected skin with plenty of water using soap in case of indisposition obtain medical advice.
<b>Eye contact</b>	Spreading the eyelids, rinse thoroughly under running water, see an eye specialist.
<b>If swallowed</b>	Never fuse anything through the mouth of an unconscious person. Do not induce vomiting if swallowed - see a physician. Rinse mouth with water.

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

No data available.

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

No data available.

## **SECTION 5 Firefighting measures**

### **5.1 Extinguishing media**

#### **Suitable extinguishing media**

Water spray, CO<sub>2</sub>, dry chemical, foam.

#### **Unsuitable extinguishing media**

Water jet.

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

Thermal decomposition to carbon monoxide, carbon dioxide, sulfur oxides (SO<sub>x</sub>), silicon oxide, hydrogen cyanide and organic cracked compounds (et al acrylic monomers, formaldehyde).

Dimethyl sulfoxide decomposes to sulfur oxides (SO<sub>x</sub>) at temperatures above 189 ° C.

### **5.3 Advice for firefighters**

Tightly closing fireproof clothing and oxygen apparatus.

## **SECTION 6 Accidental release measures**

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

See section 8 "Exposures controls/personal protection".

### **6.2 Environmental precautions**

Prevent further leakage or spillage if safe to do so. Do not allow the product to enter waters. Discharge into the environment must be avoided.

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

Pick up with an inert absorbable material and dispose according to local regulations, unless otherwise usable.

### **6.4 Reference to other sections**

For disposal, see section 13.

## **SECTION 7 Handling and storage**

### **7.1 Precautions for safe handling**

Keep container cool and tightly closed, take care of sufficient ventilation.

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

Keep away container from strong oxidising agents. Cool endangered containers with sprinkling water. Keep away from frost.

### **7.3 Specific end uses**

No data available.

## SECTION 8

### Exposure controls/personal protection

#### 8.1 Control parameters

##### Components with workplace control parameters (2000/39/EC)

<b>Triethylamine</b>		
EG-No. 204-469-4 / CAS-No. 121-44-8 / Index-No. 612-004-00-5		
TWA:	8,4 mg/m <sup>3</sup>	2 ppm
STEL:	12,6 mg/m <sup>3</sup>	3 ppm
Remark: Skin	Can be absorbed through the skin.	

##### Components with workplace control parameters (TRGS 900 Germany)

<b>Dimethyl sulfoxide</b>		
EG-No. 200-664-3 / CAS-No. 67-68-5		
AGW	160 mg/m <sup>3</sup>	50 ml/m <sup>3</sup>
Peak limit	2 (I)	
Remarks		DFG, Z, H

<b>Triethylamine</b>		
EG-No. 204-469-4 / CAS-No. 121-44-8 / Index-No. 612-004-00-5		
AGW	4,2 mg/mg <sup>3</sup>	1 ppm
Peak limit	2(I)	
Remarks	*1)	DFG, EU, H, (6)

\* 1): Senate Commission for the Testing of Harmful Working Materials of the German Research Foundation (MAK Commission). European Union. (The EU has set an air limit: Deviations in value and peak limitation are possible.) Skin-resorptive. Reaction with nitrosating agents can lead to the formation of the corresponding carcinogenic N-nitrosoamines.

<b>Polyethylenglykole</b>		
CAS-No.: 25322-68-3		
AGW		
(Inhalable fraction):	1.000 mg/m <sup>3</sup>	
Peak limit	8 (II)	
Remarks	*2)	DFG, Y

\* 2): Senate Commission for the Testing of Harmful Working Materials of the DFG (MAK Commission), There is no need to fear a risk of teratogenic effects if the workplace limit value and the biological limit value (BGW) are observed.

##### Components with biological limit values (TRGS 903 Germany)

none

**DNEL:**

<b>Dimethyl sulfoxide</b>	
EG-No. 200-664-3 / CAS-No. 67-68-5	
Worker - long term - dermal, systemic effect	200 mg/kg bw/d
Worker - long term - inhalative, local effect	265 mg/m <sup>3</sup>
Consumer - long term - oral, systemic effect	60 mg/kg bw/d
Consumer - long term - dermal, systemic effect	100 mg/kg bw/d
Consumer - long term - inhalative, local effect	47 mg/m <sup>3</sup>

<b>Triethylamine</b>	
EG-No. 204-469-4 / CAS-No. 121-44-8 / Index-No. 612-004-00-5	
Worker - long term - inhalative, systemic effect	8,4 mg/m <sup>3</sup>
Worker - long term - inhalative, local effect	8,4 mg/m <sup>3</sup>
Worker - acute - inhalative, systemic effect	12,6 mg/m <sup>3</sup>
Worker - acute - inhalative, local effect	12,6 mg/m <sup>3</sup>
Worker - long term - dermal, systemic effect	12,1 mg/kg bw/d

**PNEC:**

<b>Dimethyl sulfoxide</b>	
EG-No. 200-664-3 / CAS-No. 67-68-5	
Aquatic, freshwater	17 mg/L
Aquatic, marine water	1,7 mg/L
Sewage treatment plant (STP) (sporadic release)	11 mg/L
Sediment (based on dryweight)	16,4 mg/kg
Soil (based on dryweight)	3,02 mg/kg
Oral (Food)	7000 mg/kg

<b>Triethylamine</b>	
EG-No. 204-469-4 / CAS-No. 121-44-8 / Index-No. 612-004-00-5	
Aquatic, freshwater	0,11 mg/l
Aquatic, marine water	0,011 mg/l
Sediment, freshwater	1,575 mg/kg
Sediment, marine water	0,158 mg/kg
Sewage treatment plant (STP)	100 mg/l
Soil	0,25 mg/kg

**8.2 Exposure controls**

**Appropriate engineering controls**

Avoid contact with the skin and the eyes. When using do not eat, drink or smoke; preventive skin protection.

**Personal protective equipment**

**Respiratory protection**

In case of exceeding the permitted exposure limit in closed rooms use a self-contained breathing apparatus.

Recommended filter type: A

<b>Eye protection</b>	Tightly sealed goggles recommended. Wear face protection if there is a risk of splashing.
<b>Skin protection</b>	Wear suitable protective gloves. Observe the information provided by the manufacturer in regard to permeability and breakthrough time as well as the special conditions at the workplace (mechanical stress, contact duration). Protective gloves should be replaced at the first signs of wear.
<b>Material:</b>	Butyl rubber
<b>Breakthrough time:</b>	>= 480min
<b>Glove thickness:</b>	0,5mm
<b>Body Protection</b>	Solvent-resistant protective clothing made of rubber or plastic is recommended. Wear a rubber apron if there is a risk of splashing.

### 8.3 Environmental exposure controls

Prevent further leakage or spillage if safe to do so. Do not allow the product to enter waters. Discharge into the environment must be avoided.

## SECTION 9 Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### Appearance:

Aggregate state:		liquid	
Colour:		milky white	
Odour:		slight individual odour	
Melting point/freezing point:		Not available.	
Initial boiling point/boiling range:		100 °C	
Flash point:		> 100 °C	
Flammability:		Not applicable.	
Ignition temperature:		Not applicable.	
Auto flammability:		Not applicable.	
Oxidising properties:		Not applicable.	
Explosive properties:		Not applicable.	
Explosion limits:	lower	Not applicable.	
	upper	Not applicable.	
Water solubility:	(T = 20 °C)	Dispersible in each ratio.	
Vapour pressure:	(T = 20 °C)	Not available.	
Vapour density (air = 1):		Not available.	
Partition coefficient (n-octanol/water):		Not available.	
Solids content		32 - 38 %	
Density:	(T = 20 °C)	1.05 g/cm <sup>3</sup>	
pH value:	(T = 20 °C)	7,5 - 8,5	
Viscosity - kin. (4 mm DIN flow cup):	(T = 20 °C)	15 - 20 s	CMR-433
Viscosity - kin. (4 mm DIN flow cup):	(T = 20 °C)	25 - 30 s	CMR-433.M
Separation of solvent:		Not applicable.	
Volatiles/VOC:		approx. 6 %	
Evaporation rate:		Not available.	

**9.2 Other information**

No data available.

**SECTION 10 Stability and reactivity**

**10.1 Reactivity**

No data available.

**10.2 Chemical stability**

Triethylamine and dimethyl sulfoxide are released during application and drying.

**10.3 Possibility of hazardous reactions**

No data available.

**10.4 Conditions to avoid**

Frost, heat

**10.5 Incompatible materials**

Strong oxidizing agents, strong acids, strong reducing agents

**10.6 Hazardous decomposition products**

In case of fire only, see section 5.2.

**SECTION 11 Toxicological information**

**11.1 Information on toxicological effects**

**Acute toxicity**

**Mixture**

No data available.

**Components**

<b>Dimethyl sulfoxide</b>	
EG-No. 200-664-3 / CAS-No. 67-68-5	
oral, rat, LD50	28300 mg/kg
dermal, rat, LD50	40000 mg/kg
inhalativ, LC50 (vapour, 4h)	> 5330 mg/l

<b>3-(Polyoxyethylene)propylheptamethyltrisiloxane</b>	
CAS-No. 67674-67-3	
oral, rat, LD50	> 5050 mg/kg
dermal, rabbit, LD50	> 2000 - 5000 mg/kg
inhalative, rabbit, LC50 (dust/ mist 4h)	2,3 mg/l



<b>Triethylamine</b>	
EG-No. 204-469-4 / CAS-No. 121-44-8 / Index-No. 612-004-00-5	
oral, rat, LD50	730 mg/kg
dermal, rabbit, LD50	580 mg/kg
inhalative, rat, LC50 (vapour, 4h)	7,22 mg/l

<b>1,2-benzisothiazol-3(2H)-one</b>	
EC-No. 220-120-9 / CAS-No. 2634-33-5 / Index-No. 613-088-00-6	
oral, rat, LD50	1193 mg/kg
dermal, rat, LD50	4115 mg/kg

<b>Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)</b>	
CAS-No. 55965-84-9 / Index-No. 613-167-00-5	
oral, rat, LD50	66 mg/kg
dermal, rat, LD50	141 mg/kg
inhalativ, LC50 (dust and mist, 4h)	0,17 mg/l

**Skin corrosion/irritation**

No data available.

**Serious eye damage/irritation**

**Mixture**

Causes serious eye irritation.

**Components**

<b>3-(Polyoxyethylene)propylheptamethyltrisiloxane</b>	
CAS-No. 67674-67-3	
Species:	rabbit
Result:	Irreversible damage to the eyes

**Respiratory or skin sensitisation**

**Mixture**

May cause an allergic skin reaction

**Germ cell mutagenicity**

No data available.

**Carcinogenicity**

**Mixture**

No data available.

**Components**

**Triethylamine**

Triethylamine can form nitrosamines with nitrosating agents (e.g. nitrites, nitrogen oxides) under special conditions. Nitrosamines have been shown to be carcinogenic in animal experiments.

**Reproductive toxicity**

No data available.

**Specific Target Organ Toxicity - single exposure**

**Mixture**

No data available.

**Components**

<b>Triethylamine (0,22%)</b>
EG-No. 204-469-4 / CAS-No. 121-44-8 / Index-No. 612-004-00-5
Classification of the substance: Category 3
SCL: Category 3: 1%

**Specific Target Organ Toxicity - repeated exposure**

No data available.

**Aspiration hazard**

No data available.

**Other information**

No data available.

**11.2 Additional information**

**Triethylamine**

Causes liver and kidney damage in experimental animals.

**SECTION 12 Ecological information**

**12.1 Toxicity**

**Dimethyl sulfoxide**

Fish toxicity, LC50, Danio rerio (Zebrafish): > 25000 mg/l (96h)  
 Daphnia toxicity, Daphnia magna; EC50: 24600 mg/l (48h)  
 Bacteria toxicity, activated sludge, EC50: 10 - 100 mg/l (0,5h)

**3-(Polyoxyethylene)propylheptamethyltrisiloxane**

Fish toxicity, LC50: >1 - 10 mg/l (96h)

Remark: Based on test data from similar materials

Daphnia toxicity, EC50, Daphnia sp. (Water flea): >1 - 10 mg/l (48h)

Remark: Based on test data from similar materials

Toxic to aquatic life with long-lasting effects

**Triethylamine**

Fish toxicity, LC50, Oryzias latipes (Japanese rice fish): 24 mg/l (96h)

Daphnia toxicity, LC50, Ceriodaphnia spec: 17 mg/l (48h)

Algae toxicity, EC50, Desmodus Desmodesmus subspicatus: 24,8 mg/l (96h)

NOEC (Fish), Oncorhynchus mykiss (Rainbow trout): 3,2 mg/l (60d)

NOEC (Daphnia), Daphnia magna (Big water flea): 11 mg/l (21d)

Bacteria toxicity, EC50, Pseudomonas putida: 95 mg/l (17h)

**1,2-benzisothiazol-3(2H)-one**

Fish toxicity, LC50, Oncorhynchus mykiss (Rainbow trout): 2,18 mg/l (96h)

Daphnia toxicity, EC50, Daphnia magna: 2,94 mg/l (48h)

Algae toxicity, ErC50, Pseudokirchneriella subcapitata: 0,11 mg/l (72h)

NOEC (Algae), Skeletonema costatum: 0,027 mg/l (72h)

**Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)**

Fish toxicity, LC50, Oncorhynchus mykiss (Rainbow trout):	0,188 mg/l (96h)
Daphnia toxicity, EC50, Daphnia magna:	0,126 mg/l (48h)
Algae toxicity, EC50, Selenastrum capricornutum:	0,027 mg/l (72h)
NOEC (Fish), Oncorhynchus mykiss (Rainbow trout):	0,098 mg/l (28d)
NOEC (Fish), Daphnia magna(Big water flea):	0,004 mg/l (21d)
NOEC (Algae), Pseudokirchneriella subcapitata:	0,0012 mg/l (72h)
Bacteria toxicity, EC50:	7,92 mg/l (3h)

**12.2 Persistence and degradability**

**Dimethyl sulfoxide**

Result: 31% (exposure duration: 28 d) (OECD 301 D)  
 not readily biodegradable

**Triethylamine**

readily biodegradable (according to OECD criteria)

**1,2-benzisothiazol-3(2H)-one**

Readily biodegradable

**Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)**

Readily biodegradable

**12.3 Bioaccumulative potential**

**Dimethyl sulfoxide**

Result: 3.16 BCF (QSAR)  
 Due to the distribution coefficient n-octanol / water, an accumulation in organisms is not expected.

**12.4 Mobility in soil**

**Dimethyl sulfoxide**

Result: 0,64 Log Koc

**12.5 Results of PBT and vPvB assessment**

According to the available statements the criteria are not fulfilled for the classification as a PBT or vPvB.

**12.6 Other adverse effects**

Spilling product harms waters by high consumption of oxygen and general pollution impact.

**SECTION 13 Disposal considerations**

**13.1 Waste treatment methods**

No dangerous waste according to the European waste catalogue (2008/98/EG). If recycling is not possible, wastes must be eliminated according to the provisions of the local authorities.  
 Do not dispose by the sewage.

**List of proposed waste codes/waste designations in accordance with EWC**

080111\* Waste paint and varnish containing organic solvents or other dangerous substances

\*Hazardous waste according to Directive 2008/98/EC (waste framework directive).

**Appropriate disposal / Package  
Recommendation**

Non-contaminated packages may be recycled. Vessels not properly emptied are special waste.

**SECTION 14 Transport information**

**14.1 UN number**

Not applicable.

**14.2 Proper shipping name**

**ADR/RID / IMDG / IATA**

Not applicable.

**14.3 Transport hazard class(es)**

Not applicable.

**14.4 Packing group**

Not applicable.

**14.5 Environmental hazards**

**Labelling of environmentally dangerous substances**

ADR/RID / IMDG / IATA

Not applicable.

Marine Pollutant

Not applicable.

**14.6 Special precautions for user**

Not applicable.

**14.7 Transport in bulk according to Annex II of MARPOL and  
the IBC Code**

Not applicable.

**SECTION 15 Regulatory information**

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

**Provisions of the EU**

Denomination in Annex I of the Directive 2012/18/EU on the control of major-accident hazards  
involving dangerous substances

Not applicable.

Regulation (EU) No 528/2012 for the marketing of biocidal products

Not applicable.

Regulation (EC) No 648/2004 (Regulation concerning detergents)

Not applicable.

Directive 1999/13/EC for the limitation of emissions of volatile organic compounds  
 Not applicable.

Directive 92/85/EEC on the introduction of measures to encourage improvements in the safety and health at work of pregnant workers and workers who have recently given birth or are breastfeeding  
 Not applicable.

Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work  
 Not applicable.

Directive 94/33/EC on the protection of young people at work  
 Not applicable.

#### German regulations

Technical instructions on maintaining air purity (TA Luft) Not applicable.  
 Water hazard class WGK 1 (low hazardous to waters)  
 Storage class according to TRGS 510 LGK 12 (non-combustible liquids)

**Other regulations, restrictions and prohibition ordinances**  
 Not applicable.

#### 15.2 Chemical safety assessment

This mixture was not subject to a safety assessment.

### SECTION 16 Other information

#### The wording of the classification codes of section 3

Acute Tox. 2; H310	Acute toxicity (dermal)	Fatal in contact with skin
Acute Tox. 2; H330	Acute toxicity (inhalative)	Fatal if inhaled.
Acute Tox. 3; H301	Acute toxicity (oral)	Toxic if swallowed.
Acute Tox. 3; H311	Acute toxicity (dermal)	Toxic in contact with skin
Acute Tox. 3; H331	Acute toxicity (inhalative)	Toxic if inhaled.
Acute Tox. 4; H302	Acute toxicity (oral)	Harmful if swallowed.
Acute Tox. 4; H332	Acute toxicity (inhalative)	Harmful if inhaled.
Aquatic Acute 1; H400	Hazardous to the aquatic environment	Very toxic to aquatic life.
Aquatic Chronic 1; H410	Hazardous to the aquatic environment	Very toxic to aquatic life with long-lasting effects
Aquatic Chronic 2; H411	Hazardous to the aquatic environment	Toxic to aquatic life with long-lasting effects.
Eye Dam. 1; H318	Serious eye damage/ Eye irritation	Causes serious eye damage.
Eye Irrit. 2; H319	Serious eye damage/ Eye irritation	Causes serious eye irritation.
Flam. Liq. 2; H225	Flammable liquid	Highly flammable liquid and vapour
Skin Corr. 1A; H314	Skin corrosion/ irritation	Causes severe skin burns and eye damage.
Skin Corr. 1B; H314	Skin corrosion/ irritation	Causes severe skin burns and eye damage.

Skin Irrit. 2; H315	Skin corrosion/ irritation	Causes skin irritation.
Skin Sens. 1; H317	Skin sensitisation	May cause an allergic skin reaction.
STOT SE 3; H335	Specific target organ toxicity (single exposure)	May cause respiratory irritation.

The classification codes only apply to the pure substances and do not declare necessarily the classification of the mixture. The classification and the labelling of the mixture are specified in section 2.

### Abbreviations

(I)	Substances for which the local effect determines the limit value or substances that sensitize the respiratory tract
(II)	Resorptive substances
(6)	Reaction with nitrosating agents can lead to the formation of the corresponding carcinogenic N-nitrosoamines.
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
AGW	Occupational exposure limit value.
BCF	Bioconcentration factor
BGW	Permitted biological limit value for work place.
bw	Body weight
CAS	Chemical Abstracts Service
DFG	German Research Council (Committee on Occupational Exposure Limits).
DNEL	Derived no-effect level
EC50	Half maximal effective concentration
EC-No.	Registration number of the "European Inventory of Existing Chemical Substances" (EINECS)
ErC50	average inhibitory concentration of the growth rate
EWG	European Economic Community
EU	European Union.
H	Risk of absorption through the skin.
IATA	International Air Transport Association
IBC-Code	International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
IMDG	International Maritime Code for Dangerous Goods
LC50	Lethal concentration for 50% of a test population
LD50	Lethal dose for 50% of a test population (mean lethal dose)
LGK	Storage class.
MAK	Maximum workplace concentration
MARPOL	International Convention for the Prevention of Marine Pollution from Ships
NO(A)EC	No observed (adverse) effect concentration
OECD	Organisation for Economic Co-operation and Development
PBT	Persistent, bioaccumulative and toxic.
PNEC	predicted no effect concentration
QSAR	Quantitative structure–activity relationship
REACH	Regulation (EC) No. 1907/2006 of the European Parliament and of the Council regarding the registration, evaluation, authorisation and restriction of chemicals

RID	Convention concerning International Carriage by Rail
SCL	Specific concentration limit
STEL	EU workplace limit values for a reference period of 15 minutes (Short-term exposure limit)
TRGS	Technical regulation for dangerous substances.
TWA	EU workplace limit values for a reference period of 8 hours (Time-weighted-average)
UN	United Nations
vPvB	Very persistent and very bioaccumulative.
WGK	Water hazard class.
Z	A risk of foetal damage cannot be ruled out even if the AGW and BGW are observed

### **Additional information**

The information supplied on this safety data sheet complies with our current level of knowledge as well as with national and EU regulations. Without written approval, the product must not be used for purposes different from those mentioned in chapter 1.

It is always the user's duty to take any necessary measures for meeting the requirements laid down by local rules and regulations. The details in this safety data sheet describe the safety requirements of our product and are not to be regarded as guaranteed attributes of the product.

We exclude each liability for damages, that can appear in improper intercourse or contact with these chemicals.

This security data sheet replaces all previous editions. Validly from edition date.

Date of last revision / Version:                      02.01.2020                      V-2020-001