

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



DE / EN

## DisboPOX W 971 ESD Comp. A RAL7035

Version	Revision Date:	SDS Number:	Date of last issue: 25.11.2020
3.0	24.01.2023	6008609	Date of first issue: 14.11.2019

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

#### 1.1 Product identifier

Trade name : DisboPOX W 971 ESD Comp. A RAL7035

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the Sub-  
stance/Mixture : Epoxide-resin-based coating material, totally solid

Recommended restrictions : within adequate application - none  
on use

#### 1.3 Details of the supplier of the safety data sheet

Company : Disbon GmbH  
Roßdörfer Straße 50  
64372 Ober-Ramstadt

Telephone : +496154710  
Telefax : +4961547170222

E-mail address Responsible/issuing person : msds@dr-rmi.com

#### 1.4 Emergency telephone

Emergency telephone 1 : +49613284463 GBK GmbH

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification (REGULATION (EC) No 1272/2008)

Serious eye damage, Category 1 H318: Causes serious eye damage.

#### 2.2 Label elements

##### Labeling (REGULATION (EC) No 1272/2008)

Hazard pictograms :



Signal Word : Danger

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Hazard Statements : H318 Causes serious eye damage.

Precautionary Statements : **Prevention:**  
P280 Wear protective gloves/ eye protection.

**Response:**  
P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor.

### Hazardous ingredients which must be listed on the label:

epoxy resin-amine adduct

### Additional Labeling

EUH211 Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

### 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

Chemical nature : Mixture based on amine compounds

### Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
epoxy resin-amine adduct	1311389-92-0	Eye Dam. 1; H318	>= 20 - < 30
titanium dioxide; [in powder form	13463-67-7	Carc. 2; H351	>= 10 - < 20

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containing 1 % or more of particles with aerodynamic diameter $\leq$ 10 $\mu\text{m}$ ]	236-675-5 022-006-00-2 01-2119489379-17		
ethanediol	107-21-1 203-473-3 603-027-00-1 01-2119456816-28	Acute Tox. 4; H302 STOT RE 2; H373 (Kidney)	$\geq$ 1 - < 10
octamethylcyclotetrasiloxane [D4]	556-67-2 209-136-7 014-018-00-1 01-2119529238-36	Flam. Liq. 3; H226 Repr. 2; H361f Aquatic Chronic 1; H410  M-Factor (Chronic aquatic toxicity): 10	$\geq$ 0,0025 - < 0,025
Pyridine-2-thiol 1-oxide, sodium salt	3811-73-2 223-296-5 613-344-00-7 01-2119493385-28	Acute Tox. 4; H302 Acute Tox. 3; H331 Acute Tox. 3; H311 Skin Irrit. 2; H315 Eye Irrit. 2; H319 Skin Sens. 1; H317 STOT RE 1; H372 (Nervous system) Aquatic Acute 1; H400 Aquatic Chronic 2; H411 EUH070  M-Factor (Acute aquatic toxicity): 100 M-Factor (Chronic aquatic toxicity): 1  Acute toxicity estimate  Acute oral toxicity: 500 mg/kg Acute inhalation toxicity (dust/mist): 0,5 mg/l Acute dermal toxicity: 790 mg/kg	$\geq$ 0,0002 - < 0,0025
Substances with a workplace exposure limit :			
tin antimony grey cassiterite	68187-54-2 269-105-9		$\geq$ 1 - < 10

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01-2120758804-45
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For explanation of abbreviations see section 16.

### SECTION 4: First aid measures

#### 4.1 Description of first-aid measures

- General advice : Never give anything by mouth to an unconscious person.  
If you feel unwell, seek medical advice (show the label where possible).  
Move out of dangerous area.  
First aider needs to protect himself.
- If inhaled : Move to fresh air.
- In case of skin contact : Do NOT use solvents or thinners.  
In case of contact, immediately flush skin with soap and plenty of water.  
Take off all contaminated clothing immediately.
- In case of eye contact : IF IN EYES: Rinse cautiously with water for several minutes.  
Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/ physician.
- If swallowed : Call a physician.  
Clean mouth with water and drink afterwards plenty of water.  
If swallowed, DO NOT induce vomiting.

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

- Risks : Causes serious eye damage.

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

- Treatment : No information available.

### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.  
Foam  
Carbon dioxide (CO<sub>2</sub>)
- Unsuitable extinguishing media : None known.

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

Specific hazards during fire fighting : Cool closed containers exposed to fire with water spray. Hazardous decomposition products formed under fire conditions.

### 5.3 Advice for firefighters

Special protective equipment for fire-fighters : In the event of fire, wear self-contained breathing apparatus.

Further information : Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Standard procedure for chemical fires. In the event of fire and/or explosion do not breathe fumes.

## SECTION 6: Accidental release measures

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

Personal precautions : Do not get in eyes, on skin, or on clothing. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Ensure adequate ventilation. Remove all sources of ignition.

### 6.2 Environmental precautions

Environmental precautions : Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities. Do not flush into surface water or sanitary sewer system.

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

Methods for cleaning up : Keep in suitable, closed containers for disposal. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

### 6.4 Reference to other sections

For further information see Section 7 of the safety data sheet.  
, For personal protection see section 8., For disposal considerations see section 13.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Advice on safe handling : For personal protection see section 8. Avoid exceeding the given occupational exposure limits (see

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section 8).  
Provide sufficient air exchange and/or exhaust in work rooms.

In addition, the current technical information for this product and its application on [www.caparol.com](http://www.caparol.com) must be observed.

Advice on protection against fire and explosion : The product is flammable but not readily ignited.

Hygiene measures : Avoid contact with the skin and the eyes. Wash hands before eating, drinking, or smoking. Do not eat, drink or smoke when using this product. Remove contaminated clothing and protective equipment before entering eating areas.

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

Requirements for storage areas and containers : Store in original container. Store between 41 and 77 °F in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Storage class (TRGS 510) : 12

### 7.3 Specific end use(s)

Specific use(s) : This information is not available.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter $\leq 10 \mu\text{m}$ ]	13463-67-7	AGW (Inhalable fraction)	10 mg/m <sup>3</sup> (Titanium dioxide)	DE TRGS 900
		Peak-limit category: 2;(II)		
		Further information: When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child		
		AGW (Alveolate fraction)	1,25 mg/m <sup>3</sup> (Titanium dioxide)	DE TRGS 900
		Peak-limit category: 2;(II)		
		Further information: When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child		

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		BM (Alveolar dust fraction)	0,5 mg/m <sup>3</sup>	DE TRGS 527
tin antimony grey cassiterite	68187-54-2	TWA	2 mg/m <sup>3</sup> (Tin)	91/322/EEC
	Further information: Indicative			
ethanediol	107-21-1	TWA	20 ppm 52 mg/m <sup>3</sup>	2000/39/EC
	Further information: Identifies the possibility of significant uptake through the skin, Indicative			
		STEL	40 ppm 104 mg/m <sup>3</sup>	2000/39/EC
	Further information: Identifies the possibility of significant uptake through the skin, Indicative			
		AGW (Vapour and aerosols)	10 ppm 26 mg/m <sup>3</sup>	DE TRGS 900
	Peak-limit category: 2;(I)			
	Further information: Skin absorption, When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child			
Pyridine-2-thiol 1-oxide, sodium salt	3811-73-2	AGW (Inhalable fraction)	0,2 mg/m <sup>3</sup>	DE TRGS 900
	Peak-limit category: 2;(II)			
	Further information: Skin absorption, When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child			

### Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

Substance name	End Use	Routes of exposure	Potential health effects	Value
titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]	Consumers	Ingestion	Long-term systemic effects	700,00 mg/kg bw/day
	Workers	Inhalation	Long-term local effects	10,00 mg/m <sup>3</sup>
ethanediol	Consumers	Skin contact	Long-term systemic effects	53,00 mg/kg bw/day
	Consumers	Inhalation	Long-term local effects	7,00 mg/m <sup>3</sup>
	Workers	Inhalation	Long-term local effects	35,00 mg/m <sup>3</sup>
octamethylcyclotetra-siloxane [D4]	Workers	Skin contact	Long-term systemic effects	106,00 mg/kg bw/day
	Consumers	Inhalation	Long-term systemic effects	13,00 mg/m <sup>3</sup>
	Consumers	Inhalation	Long-term local effects	13,00 mg/m <sup>3</sup>
	Consumers	Inhalation	Acute systemic effects	13,00 mg/m <sup>3</sup>

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	Consumers	Inhalation	Acute local effects	13,00 mg/m <sup>3</sup>
	Consumers	Ingestion	Long-term systemic effects	3,70 mg/kg bw/day
	Consumers	Ingestion	Acute systemic effects	3,70 mg/kg bw/day
	Workers	Inhalation	Acute systemic effects	73,00 mg/m <sup>3</sup>
	Workers	Inhalation	Acute local effects	73,00 mg/m <sup>3</sup>
	Workers	Inhalation	Long-term systemic effects	73,00 mg/m <sup>3</sup>
	Workers	Inhalation	Long-term local effects	73,00 mg/m <sup>3</sup>

### Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

Substance name	Environmental Compartment	Value
titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter $\leq$ 10 $\mu$ m]	Sewage treatment plant	100 mg/l
	Fresh water	0,184 mg/l
	Soil	100 mg/kg dry weight (d.w.)
	Sea water	0,0184 mg/l
	Fresh water sediment	1000 mg/kg dry weight (d.w.)
	Sea sediment	100 mg/kg dry weight (d.w.)
	Intermittent use/release	0,193 mg/l
ethanediol	Sea water	1 mg/l
	Sewage treatment plant	199,5 mg/l
	Intermittent use/release	10 mg/l
	Fresh water	10 mg/l
	Soil	1,53 mg/kg dry weight (d.w.)
octamethylcyclotetrasiloxane [D4]	Fresh water sediment	37 mg/kg dry weight (d.w.)
	Sea sediment	3,7 mg/kg dry weight (d.w.)
	Sea sediment	0,059 mg/kg dry weight (d.w.)
	Soil	0,15 mg/kg dry weight (d.w.)
	Secondary Poisoning	41 mg/kg food
	Fresh water	0,44 $\mu$ g/l
	Fresh water sediment	0,59 mg/kg dry weight (d.w.)
	Sea water	0,044 $\mu$ g/l
	Sewage treatment plant	10 mg/l



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### 8.2 Exposure controls

#### Personal protective equipment

Eye/face protection : DGUV Regulation 112-192 - Use of eye and face protection  
Tightly fitting safety goggles

#### Hand protection

Material : Nitrile rubber  
Glove thickness : 0,2 mm  
Protective index : Class 3

Remarks : Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough. Before removing gloves clean them with soap and water. Wear suitable gloves tested to EN374.  
DGUV Regulation 112-195 - Use of protective gloves

Skin and body protection : Safety shoes  
Use appropriate degowning techniques to remove potentially contaminated clothing.  
Additional body garments should be used based upon the task being performed (e.g., sleevelets, apron, gauntlets, disposable suits) to avoid exposed skin surfaces.  
Long sleeved clothing

Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Skin should be washed after contact.

Respiratory protection : Roller application or brushing: This product should not be used under conditions of poor ventilation unless a protective mask with an appropriate gas filter (i.e. type A1 according to standard EN 14387) is used.

During spray application: Do not breathe spray dust. Use A2/P2 combination filter for paint spraying.

DGUV Regulation 112-190 - Use of breathing equipment

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Physical state : liquid

Color : No data available

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Odor	:	No data available
Odor Threshold	:	Not relevant
Melting point/freezing point	:	not determined
Boiling point/boiling range	:	not determined
Upper explosion limit / Upper flammability limit	:	not determined
Lower explosion limit / Lower flammability limit	:	not determined
Flash point	:	Not applicable
Autoignition temperature	:	not determined
Decomposition temperature	:	Not applicable
pH	:	6,95 Concentration: 10 %
Viscosity	:	
Viscosity, dynamic	:	No data available
Solubility(ies)	:	
Water solubility	:	partly miscible
Partition coefficient: n-octanol/water	:	not determined
Vapor pressure	:	not determined
Relative density	:	not determined
Density	:	1,1600 g/cm <sup>3</sup>
Relative vapor density	:	not determined

### 9.2 Other information

Explosives	:	Not applicable
Oxidizing properties	:	Not applicable
Flammability (liquids)	:	The product is not flammable.

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Evaporation rate : Not applicable

### SECTION 10: Stability and reactivity

#### 10.1 Reactivity

No decomposition if stored and applied as directed.

#### 10.2 Chemical stability

No decomposition if stored and applied as directed.

#### 10.3 Possibility of hazardous reactions

Hazardous reactions : Hazardous decomposition products formed under fire conditions.

#### 10.4 Conditions to avoid

Conditions to avoid : Protect from frost, heat and sunlight.

#### 10.5 Incompatible materials

Materials to avoid : Incompatible with acids.  
Incompatible with oxidizing agents.

#### 10.6 Hazardous decomposition products

No decomposition if stored and applied as directed.

### SECTION 11: Toxicological information

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

##### Acute toxicity

|| Not classified based on available information.

##### Product:

|| Acute oral toxicity : Acute toxicity estimate: > 2.000 mg/kg  
Method: Calculation method

##### Components:

##### epoxy resin-amine adduct:

Acute oral toxicity : LD50 Oral (Rat): 3.200 mg/kg

##### ethanediol:

Acute dermal toxicity : LD50 Dermal (Rabbit): > 3.500 mg/kg

##### Pyridine-2-thiol 1-oxide, sodium salt:

Acute oral toxicity : Acute toxicity estimate: 500 mg/kg

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Method: Acute toxicity estimate according to Regulation (EC) No. 1272/2008

Acute inhalation toxicity : Acute toxicity estimate: 0,5 mg/l  
Test atmosphere: dust/mist  
Method: Acute toxicity estimate according to Regulation (EC) No. 1272/2008

Acute dermal toxicity : Acute toxicity estimate: 790 mg/kg  
Method: Acute toxicity estimate according to Regulation (EC) No. 1272/2008

### Skin corrosion/irritation

|| Not classified based on available information.

### Serious eye damage/eye irritation

|| Causes serious eye damage.

### Respiratory or skin sensitization

#### Skin sensitization

|| Not classified based on available information.

#### Respiratory sensitization

|| Not classified based on available information.

### Germ cell mutagenicity

|| Not classified based on available information.

### Carcinogenicity

|| Not classified based on available information.

### Reproductive toxicity

|| Not classified based on available information.

### STOT-single exposure

|| Not classified based on available information.

### STOT-repeated exposure

|| Not classified based on available information.

### Aspiration toxicity

|| Not classified based on available information.

## 11.2 Information on other hazards

### Endocrine disrupting properties

#### Product:

|| Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation

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(EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

### SECTION 12: Ecological information

#### 12.1 Toxicity

##### Components:

##### **Pyridine-2-thiol 1-oxide, sodium salt:**

M-Factor (Acute aquatic toxicity) : 100

M-Factor (Chronic aquatic toxicity) : 1

#### 12.2 Persistence and degradability

No data available

#### 12.3 Bioaccumulative potential

##### Components:

##### **Pyridine-2-thiol 1-oxide, sodium salt:**

Partition coefficient: n-octanol/water : Pow: 0,002 (20 °C)

#### 12.4 Mobility in soil

No data available

#### 12.5 Results of PBT and vPvB assessment

##### Product:

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

##### Components:

##### **octamethylcyclotetrasiloxane [D4]:**

Assessment : This substance is considered to be persistent, bioaccumulating and toxic (PBT).

: This substance is considered to be very persistent and very bioaccumulating (vPvB).

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### 12.6 Endocrine disrupting properties

**Product:**

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

### 12.7 Other adverse effects

**Product:**

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Product : Uncured product residues and unpurified packaging should be disposed of as hazardous waste.  
Material residues: Allow the basic substance to harden with hardener and dispose of as paint waste.  
Waste should not be disposed of via wastewater.

Contaminated packaging : Only completely emptied containers should be given for recycling.

Waste Code : used product  
080111\*, waste paint and varnish containing organic solvents or other dangerous substances

## SECTION 14: Transport information

### 14.1 UN number or ID number

ADN : Not regulated as a dangerous good  
ADR : Not regulated as a dangerous good  
RID : Not regulated as a dangerous good  
IMDG : Not regulated as a dangerous good  
IATA : Not regulated as a dangerous good

### 14.2 UN proper shipping name

ADN : Not regulated as a dangerous good  
ADR : Not regulated as a dangerous good

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**RID** : Not regulated as a dangerous good

**IMDG** : Not regulated as a dangerous good

**IATA** : Not regulated as a dangerous good

### 14.3 Transport hazard class(es)

**ADN** : Not regulated as a dangerous good

**ADR** : Not regulated as a dangerous good

**RID** : Not regulated as a dangerous good

**IMDG** : Not regulated as a dangerous good

**IATA** : Not regulated as a dangerous good

### 14.4 Packing group

**ADN** : Not regulated as a dangerous good

**ADR** : Not regulated as a dangerous good

**RID** : Not regulated as a dangerous good

**IMDG** : Not regulated as a dangerous good

**IATA (Cargo)** : Not regulated as a dangerous good

**IATA (Passenger)** : Not regulated as a dangerous good

### 14.5 Environmental hazards

Not regulated as a dangerous good

### 14.6 Special precautions for user

Remarks : Not classified as dangerous in the meaning of transport regulations.

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

Not applicable for product as supplied.

## SECTION 15: Regulatory information

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

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII) : Conditions of restriction for the following entries should be considered:  
Number on list 3

formaldehyde (Number on list 72, 28)

REACH - Candidate List of Substances of Very High : This product is a mixture and does

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Concern for Authorization (Article 59).	not contain Substances of Very High Concern (SVHC) equal or above 0.1%. Therefore no advised uses have to be defined and no chemical safety assessment has to be generated.
Regulation (EC) No 1005/2009 on substances that deplete the ozone layer	: Not applicable
Regulation (EU) 2019/1021 on persistent organic pollutants (recast)	: Not applicable
REACH - List of substances subject to authorisation (Annex XIV)	: None

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.	Not applicable
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Water hazard class (Germany)	: WGK 1 slightly water endangering Classification according to AwSV, Annex 1 (5.2)
Product code for laquers and paints / Giscode	: RE1 Epoxy resin products, solvent-free, sensitising
.	: RE20 Epoxy resin products, sensitising, totally solid, hardener no H 317 and aqueous
Volatile organic compounds	: Directive 2004/42/EC < 3 % < 30 g/l

### Other regulations:

Take note of Law on the protection of mothers at work, in education and in studies (Maternity Protection Act - MuSchG).

## 15.2 Chemical Safety Assessment

A Chemical Safety Assessment is not required for this mixture.

## SECTION 16: Other information

### Full text of H-Statements

H226	: Flammable liquid and vapor.
H302	: Harmful if swallowed.



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3.0	24.01.2023	6008609	Date of first issue: 14.11.2019

H311	: Toxic in contact with skin.
H315	: Causes skin irritation.
H317	: May cause an allergic skin reaction.
H318	: Causes serious eye damage.
H319	: Causes serious eye irritation.
H331	: Toxic if inhaled.
H351	: Suspected of causing cancer if inhaled.
H361f	: Suspected of damaging fertility.
H372	: Causes damage to organs through prolonged or repeated exposure.
H373	: May cause damage to organs through prolonged or repeated exposure if swallowed.
H400	: Very toxic to aquatic life.
H410	: Very toxic to aquatic life with long lasting effects.
H411	: Toxic to aquatic life with long lasting effects.
EUH070	: Toxic by eye contact.

### Full text of other abbreviations

Acute Tox.	: Acute toxicity
Aquatic Acute	: Short-term (acute) aquatic hazard
Aquatic Chronic	: Long-term (chronic) aquatic hazard
Carc.	: Carcinogenicity
Eye Dam.	: Serious eye damage
Eye Irrit.	: Eye irritation
Flam. Liq.	: Flammable liquids
Repr.	: Reproductive toxicity
Skin Irrit.	: Skin irritation
Skin Sens.	: Skin sensitization
STOT RE	: Specific target organ toxicity - repeated exposure
2000/39/EC	: Europe. Commission Directive 2000/39/EC establishing a first list of indicative occupational exposure limit values
91/322/EEC	: Europe. Commission Directive 91/322/EEC on establishing indicative limit values
DE TRGS 527	: Germany. TRGS 527 - Activities with nanomaterials
DE TRGS 900	: Germany. TRGS 900 - Occupational exposure limit values.
2000/39/EC / TWA	: Limit Value - eight hours
2000/39/EC / STEL	: Short term exposure limit
91/322/EEC / TWA	: Limit Value - eight hours
DE TRGS 527 / BM	: Assessment scale
DE TRGS 900 / AGW	: Time Weighted Average

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECl - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



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concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

### Further information

#### Other information:

No exposure scenario communication is required for this product according to REACH Regulation No. 1907/2006 EC.

Communication of Uses is not required in accordance with REACH Article 31(1)(a) - registered substances / mixtures do not meet the criteria for classification as hazardous in accordance with Regulations 1272/2008 EC or 1999/45/EC.

#### Sources of key data used to compile the Material Safety Data Sheet:

ECHA WebSite

ACGIH (American Conference of Government Industrial Hygienists). 2014 TLVs and BEIs.

Threshold Limit Values (TLVs) for chemical substances and physical agents and Biological Exposure Indices (BEIs) with Seventh Edition documentation. 2014 ACGIH, Cincinnati OH

NIOSH - Registry of toxic effects of chemical substances

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX'S - Dangerous properties of industrial materials

GESTIS - Database on hazardous substances - Institut für Arbeitsschutz der Deutschen Gesetzlichen Unfallversicherung (IFA, Institute for Occupational Safety and Health of the German Social Accident Insurance)

Toxnet - Toxicology Data Network

#### Classification of the mixture:

Eye Dam. 1

H318

#### Classification procedure:

Calculation method

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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### REACH Information

According to our legal obligation we implement the Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH). We will adjust and update our safety data sheets on a regular base in accordance with the information of our up-stream-suppliers. As usual we will inform you about the adjustments.

Regarding to the REACH regulation we would like to point out that DAW as a downstream user will not register on behalf of our company. We will rely on information from our suppliers. As soon as new information is available our safety data sheets will be amended accordingly.

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