

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



DE / EN

DisboPOX W 447 Comp. A RAL7032

| | | | |
|---------|----------------|-------------|---------------------------------|
| Version | Revision Date: | SDS Number: | Date of last issue: 25.11.2020 |
| 3.0 | 14.03.2023 | 6007519 | Date of first issue: 15.11.2019 |

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

1.1 Product identifier

Trade name : DisboPOX W 447 Comp. A RAL7032

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, aqueous

Recommended restrictions on use : within adequate application - none

1.3 Details of the supplier of the safety data sheet

Company : Disbon GmbH
Roßdörfer Straße 50
64372 Ober-Ramstadt

Telephone : +496154710
Telefax : +4961547170222

Website :
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)

Skin sensitization, Category 1 H317: May cause an allergic skin reaction.

2.2 Label elements

Labeling (REGULATION (EC) No 1272/2008)

Hazard pictograms :



Signal Word : **Warning**

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Hazard Statements : **H317** May cause an allergic skin reaction.

Precautionary Statements : **Prevention:**
P261 Avoid breathing mist or vapors.
P262 Do not get in eyes, on skin, or on clothing.
P280 Wear protective gloves/ eye protection.

Response:
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P362 + P364 Take off contaminated clothing and wash it before reuse.

Hazardous ingredients which must be listed on the label:

3-aminomethyl-3,5,5-trimethylcyclohexylamine
m-phenylenebis(methylamine)

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

Components

| Chemical name | CAS-No. EC-No. Index-No. Registration number | Classification | Concentration (% w/w) |
|-----------------------------------|---|----------------|--------------------------|
| 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 μm] | 236-675-5 022-006-00-2 01-2119489379-17 | | |
| benzyl alcohol | 100-51-6 202-859-9 603-057-00-5 01-2119492630-38 | Acute Tox. 4; H302 Acute Tox. 4; H332 Eye Irrit. 2; H319 | \geq 1 - < 10 |
| 3-aminomethyl-3,5,5-trimethylcyclohexylamine | 2855-13-2 220-666-8 612-067-00-9 01-2119514687-32 | Acute Tox. 4; H302 Acute Tox. 4; H312 Skin Corr. 1B; H314 Eye Dam. 1; H318 Skin Sens. 1A; H317 Aquatic Chronic 3; H412 specific concentration limit Skin Sens. 1A; H317 \geq 0,001 % Acute toxicity estimate Acute oral toxicity: 1.030 mg/kg | \geq 0,25 - < 1 |
| m-phenylenebis(methylamine) | 1477-55-0 216-032-5 01-2119480150-50 | Acute Tox. 4; H332 Acute Tox. 4; H302 Skin Corr. 1B; H314 Skin Sens. 1B; H317 Aquatic Chronic 3; H412 Eye Dam. 1; H318 EUH071 | \geq 0,25 - < 1 |
| Substances with a workplace exposure limit : | | | |
| barium sulfate | 7727-43-7 231-784-4 01-2119491274-35 | | \geq 30 - < 50 |
| kaolin | 1332-58-7 310-194-1 | | \geq 1 - < 10 |

For explanation of abbreviations see section 16.

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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 : May cause an allergic skin reaction.

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 (CO₂)
- Unsuitable extinguishing media : None known.

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 condi-

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tions.

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

In addition, the current technical information for this product

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and its application on www.caparol.com must be observed.

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

Hygiene measures : Remove and wash contaminated clothing before re-use. 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 |
|--|------------|--|---|-------------|
| barium sulfate | 7727-43-7 | AGW (Inhalable fraction) | 10 mg/m ³ | 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 ³ | 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 | | |
| | | BM (Alveolar dust fraction) | 0,5 mg/m ³ | DE TRGS 527 |
| titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic | 13463-67-7 | AGW (Inhalable fraction) | 10 mg/m ³ (Titanium dioxide) | DE TRGS 900 |

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| | | | | |
|----------------------------------|---|-----------------------------|--|-------------|
| diameter $\leq 10 \mu\text{m}$] | | | | |
| | 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 ³ (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 | | | |
| | | BM (Alveolar dust fraction) | 0,5 mg/m ³ | DE TRGS 527 |
| kaolin | 1332-58-7 | TWA (Respirable dust) | 0,1 mg/m ³ | 2004/37/EC |
| | Further information: Carcinogens or mutagens | | | |
| benzyl alcohol | 100-51-6 | AGW (Vapour and aerosols) | 5 ppm 22 mg/m ³ | 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 | | | |

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

| Substance name | End Use | Routes of exposure | Potential health effects | Value |
|----------------|---|--------------------|----------------------------|----------------------------|
| barium sulfate | Consumers | Inhalation | Long-term systemic effects | 10,00 mg/m ³ |
| | Consumers | Ingestion | Long-term systemic effects | 13000,00 mg/kg bw/day |
| | Workers | Inhalation | Long-term systemic effects | 10,00 mg/m ³ |
| | Workers | Inhalation | Long-term local effects | 10,00 mg/m ³ |
| | titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter $\leq 10 \mu\text{m}$] | Consumers | Ingestion | Long-term systemic effects |
| | Workers | Inhalation | Long-term local effects | 10,00 mg/m ³ |
| benzyl alcohol | Consumers | Skin contact | Acute systemic effects | 20,00 mg/kg bw/day |
| | Consumers | Ingestion | Long-term systemic effects | 4,00 mg/kg bw/day |
| | Consumers | Inhalation | Long-term systemic effects | 5,40 mg/m ³ |
| | Consumers | Skin contact | Long-term systemic effects | 4,00 mg/kg bw/day |
| | Consumers | Ingestion | Acute systemic effects | 20,00 mg/kg bw/day |

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| | | | | |
|--|-----------|--------------|----------------------------|--------------------------|
| | Consumers | Inhalation | Acute systemic effects | 27,00 mg/m ³ |
| | Workers | Inhalation | Acute systemic effects | 110,00 mg/m ³ |
| | Workers | Inhalation | Long-term systemic effects | 22,00 mg/m ³ |
| | Workers | Skin contact | Acute systemic effects | 40,00 mg/kg bw/day |
| | Workers | Skin contact | Long-term systemic effects | 8,00 mg/kg bw/day |
| 3-aminomethyl-3,5,5-trimethylcyclohexylamine | Consumers | Ingestion | Long-term systemic effects | 0,53 mg/kg bw/day |
| | Workers | Inhalation | Acute local effects | 0,07 mg/m ³ |
| | Workers | Inhalation | Long-term local effects | 0,07 mg/m ³ |
| m-phenylenebis(methylamine) | Workers | Inhalation | Long-term systemic effects | 1,20 mg/m ³ |
| | Workers | Inhalation | Long-term local effects | 0,20 mg/m ³ |
| | Workers | Skin contact | Long-term systemic effects | 0,33 mg/kg bw/day |

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

| Substance name | Environmental Compartment | Value |
|--|---------------------------|-------------------------------|
| barium sulfate | Fresh water | 115 µg/l |
| | Fresh water sediment | 600,4 mg/kg dry weight (d.w.) |
| | Soil | 207,7 mg/kg dry weight (d.w.) |
| | Sewage treatment plant | 62,2 mg/l |
| titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] | 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 |
| benzyl alcohol | Sewage treatment plant | 39 mg/l |
| | Fresh water | 1 mg/l |
| | Sea sediment | 0,527 mg/kg dry |

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| | | |
|--|--------------------------|-------------------------------|
| | | weight (d.w.) |
| | Sea water | 0,1 mg/l |
| | Fresh water sediment | 5,27 mg/kg dry weight (d.w.) |
| | Soil | 0,456 mg/kg dry weight (d.w.) |
| | Intermittent use/release | 2,3 mg/l |
| 3-aminomethyl-3,5,5-trimethylcyclohexylamine | Sea sediment | 0,578 mg/kg dry weight (d.w.) |
| | Fresh water sediment | 5,784 mg/kg dry weight (d.w.) |
| | Fresh water | 0,06 mg/l |
| | Sewage treatment plant | 3,18 mg/l |
| | Sea water | 0,006 mg/l |
| | Soil | 1,121 mg/kg dry weight (d.w.) |
| | Intermittent use/release | 0,23 mg/l |
| m-phenylenebis(methylamine) | Soil | 0,045 mg/kg dry weight (d.w.) |
| | Sewage treatment plant | 10 mg/l |
| | Sea sediment | 0,043 mg/kg dry weight (d.w.) |
| | Fresh water sediment | 0,43 mg/kg dry weight (d.w.) |
| | Fresh water | 0,094 mg/l |
| | Intermittent use/release | 0,152 mg/l |
| | Sea water | 0,0094 mg/l |

8.2 Exposure controls

Personal protective equipment

Eye/face protection : DGUV Regulation 112-192 - Use of eye and face protection

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.

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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.

DGUV Regulation 112-190 - Use of breathing equipment

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

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

| | |
|--|---------------------|
| Physical state | : liquid |
| Color | : gray |
| 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 | : 8 - 9 |

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Concentration: 100 %

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 : 1,7260 g/cm³

Relative vapor density : not determined

9.2 Other information

Explosives : Not applicable

Oxidizing properties : Not applicable

Flammability (liquids) : The product is not flammable.

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.

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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 |
| Acute inhalation toxicity | : | Acute toxicity estimate: > 20 mg/l Exposure time: 4 h Test atmosphere: vapor Method: Calculation method |

Components:

benzyl alcohol:

Acute oral toxicity : LD50 (Rat, male and female): 1.230 mg/kg

3-aminomethyl-3,5,5-trimethylcyclohexylamine:

Acute oral toxicity : Acute toxicity estimate: 1.030 mg/kg
Method: Acute toxicity estimate according to Regulation (EC) No. 1272/2008

Acute dermal toxicity : LD50 (Rabbit): 1.840 mg/kg

m-phenylenebis(methylamine):

Acute oral toxicity : LD50 (Rat): 930 mg/kg

Acute inhalation toxicity : LC50 (Rat, female): 1,01 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Method: OECD Test Guideline 403

Acute dermal toxicity : LD50 (Rabbit): 3.100 mg/kg

Skin corrosion/irritation

|| Not classified based on available information.

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Serious eye damage/eye irritation

|| Not classified based on available information.

Components:

benzyl alcohol:

Species : Rabbit
Assessment : Irritating to eyes.

Respiratory or skin sensitization

Skin sensitization

|| May cause an allergic skin reaction.

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

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SECTION 12: Ecological information

12.1 Toxicity

Components:

barium sulfate:

Toxicity to fish : Remarks: No toxicity at the limit of solubility.

Toxicity to daphnia and other aquatic invertebrates : Remarks: No toxicity at the limit of solubility.

Toxicity to algae/aquatic plants : Remarks: No toxicity at the limit of solubility.

Toxicity to fish (Chronic toxicity) : Remarks: No toxicity at the limit of solubility.

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : Remarks: No toxicity at the limit of solubility.

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

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.

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.

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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
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

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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

14.4 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 Concern for Authorization (Article 59). : This product is a mixture and does 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

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according to Regulation (EC) No. 1907/2006



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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

Water hazard class (Germany) : WGK 2 obviously hazardous to water
Classification according to AwSV, Annex 1 (5.2)

Product code for laquers and paints / Giscode : RE1 Epoxy resin products, solvent-free, sensitising

. : RE10 Epoxy resin dispersions, not sensitising, hardener H 317

Volatile organic compounds : Directive 2004/42/EC
< 3 %
< 50 g/l

Other regulations:

Take note of Directive 94/33/EC on the protection of young people at work or stricter national regulations, where applicable.

15.2 Chemical Safety Assessment

A Chemical Safety Assessment is not required for this mixture.

SECTION 16: Other information

Full text of H-Statements

| | |
|--------|--|
| H302 | : Harmful if swallowed. |
| H312 | : Harmful in contact with skin. |
| H314 | : Causes severe skin burns and eye damage. |
| H317 | : May cause an allergic skin reaction. |
| H318 | : Causes serious eye damage. |
| H319 | : Causes serious eye irritation. |
| H332 | : Harmful if inhaled. |
| H351 | : Suspected of causing cancer if inhaled. |
| H412 | : Harmful to aquatic life with long lasting effects. |
| EUH071 | : Corrosive to the respiratory tract. |

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Full text of other abbreviations

| | | |
|-------------------|---|---|
| Acute Tox. | : | Acute toxicity |
| Aquatic Chronic | : | Long-term (chronic) aquatic hazard |
| Carc. | : | Carcinogenicity |
| Eye Dam. | : | Serious eye damage |
| Eye Irrit. | : | Eye irritation |
| Skin Corr. | : | Skin corrosion |
| Skin Sens. | : | Skin sensitization |
| 2004/37/EC | : | Europe. Directive 2004/37/EC on the protection of workers from the risks related to exposure to carcinogens or mutagens at work |
| DE TRGS 527 | : | Germany. TRGS 527 - Activities with nanomaterials |
| DE TRGS 900 | : | Germany. TRGS 900 - Occupational exposure limit values. |
| 2004/37/EC / TWA | : | Long term exposure limit |
| 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; AIC - 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 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; TECl - 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

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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:

Skin Sens. 1

H317

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.

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 upstream-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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