

# Safety data sheet

## according to Regulation (EC) No 1907/2006, Article 31

Printing date 26.04.2024

Version number 7 (replaces version 6)

Revision: 26.04.2024

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

- **1.1 Product identifier**
- **Trade name** *RISSVERDÜBELUNGSHARZ MS-X 24 KOMP. A*
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Application of the substance / the mixture** *Reaction resin*
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
MUREXIN GmbH  
Franz v. Furtenbachstr. 1  
A-2700 Wiener Neustadt  
Tel.: +43 (0)2622/27401
- **Informing department:** *chemikalieninfo@murexin.com*
- **1.4 Emergency telephone number:**  
UK National poisons Emergency number.: +44 (0) 870 600 6266

### SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



Eye Irrit. 2 H319 Causes serious eye irritation.

- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**  
The product is classified and labelled according to the GB CLP regulation.
- **Hazard pictograms**



GHS07

- **Signal word** *Warning*
- **Hazard statements**  
*H319 Causes serious eye irritation.*
- **Precautionary statements**

|                |  |
|----------------|--|
| P101           | If medical advice is needed, have product container or label at hand.  |
| P102           | Keep out of reach of children.   |
| P103           | Read carefully and follow all instructions.  |
| P261           | Avoid breathing mist/vapours/spray.  |
| P264           | Wash thoroughly after handling.  |
| P280           | Wear 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.  |
| P501           | Dispose of contents/container in accordance with local/regional/national/international regulations.                              |
- **Additional information:**  
*Contains trimethoxyvinylsilane. May produce an allergic reaction.*
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** *Not applicable.*

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· **vPvB:** Not applicable.

### SECTION 3: Composition/information on ingredients

#### · 3.2 Mixtures

· **Description:** Mixture consisting of the following components with harmless additives.

#### · **Dangerous components:**

|   |  |          |
|---|--|----------|
| CAS: 13822-56-5<br>EINECS: 237-511-5                                  | 3-(trimethoxysilyl)propylamine<br>-----<br> Eye Dam. 1, H318<br> Skin Irrit. 2, H315                         | ≥2.5-<3% |
| CAS: 2768-02-7<br>EINECS: 220-449-8<br>Reg.nr.: 01-2119513215-52-xxxx | trimethoxyvinylsilane<br>-----<br> Flam. Liq. 3, H226<br> Acute Tox. 4, H332; Skin Sens. 1B, H317            | ≥0.5-<1% |
| CAS: 6674-22-2<br>EINECS: 229-713-7                                   | 1,8-diazabicyclo[5.4.0]undec-7-ene<br>-----<br> Acute Tox. 3, H301<br> Skin Corr. 1B, H314; Eye Dam. 1, H318 | <0.5%    |

### SECTION 4: First aid measures

#### · 4.1 Description of first aid measures

· **General information** No special measures required.· **After inhalation** Seek medical treatment in case of complaints.· **After skin contact** Instantly wash with water and soap and rinse thoroughly.· **After eye contact** Rinse opened eye for several minutes under running water. Then consult doctor.· **After swallowing** In case of persistent symptoms consult doctor.

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

No further relevant information available.

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

No further relevant information available.

### SECTION 5: Firefighting measures

#### · 5.1 Extinguishing media

#### · **Suitable extinguishing agents**

Use fire fighting measures that suit the environment.

CO<sub>2</sub>, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.

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

No further relevant information available.

#### · 5.3 Advice for firefighters

· **Protective equipment:** No special measures required.

### SECTION 6: Accidental release measures

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

Wear protective clothing.

· **6.2 Environmental precautions:** Do not allow product to reach sewage system or water bodies.

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

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose of contaminated material as waste according to item 13.

Ensure adequate ventilation.

#### · 6.4 Reference to other sections

No dangerous materials are released.

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See Section 7 for information on safe handling  
 See Section 8 for information on personal protection equipment.  
 See Section 13 for information on disposal.

#### SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**  
 Keep containers tightly sealed.  
 Ensure good ventilation/exhaustion at the workplace.  
 Prevent formation of aerosols.
- **Information about protection against explosions and fires:** No special measures required.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and containers:** Store only in the original container.
- **Information about storage in one common storage facility:** Store away from foodstuffs.
- **Further information about storage conditions:** Keep container tightly sealed.
- **Storage class** 10
- **7.3 Specific end use(s)** No further relevant information available.

#### SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**
- **Components with critical values that require monitoring at the workplace:**  
 The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists that were valid during the compilation were used as basis.
- **8.2 Exposure controls**
- **Appropriate engineering controls** No further data; see section 7.
- **Individual protection measures, such as personal protective equipment**
- **General protective and hygienic measures**  
 The usual precautionary measures should be adhered to in handling the chemicals.  
 Keep away from foodstuffs, beverages and food.  
 Instantly remove any soiled and impregnated garments.  
 Wash hands during breaks and at the end of the work.  
 Avoid contact with the eyes and skin.
- **Breathing equipment:**  
 In case of brief exposure or low pollution use breathing filter apparatus. In case of intensive or longer exposure use breathing apparatus that is independent of circulating air.  
 Filter A/P2.
- **Hand protection**  
 Protective gloves.  
 The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
- **Material of gloves**  
 The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.  
 Use gloves of stable material (e.g. Nitrile) - if necessary tricoted to improve the wearability.
- **Penetration time of glove material**  
 The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye/face protection** Tightly sealed safety glasses.
- **Body protection:** Protective work clothing.

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#### SECTION 9: Physical and chemical properties

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

###### · General Information

###### · Physical state

Fluid

###### · Colour:

Orange

###### · Smell:

Mild

###### · Odour threshold:

Not determined.

###### · Melting point/freezing point:

Not determined

###### · Boiling point or initial boiling point and boiling range

&gt;300 °C (Silanterminiertes Prepolymer)

###### · Flammability

Not applicable.

###### · Lower and upper explosion limit

###### · Lower:

Not determined.

###### · Upper:

Not determined.

###### · Flash point:

&gt;100 °C

###### · Auto-ignition temperature:

380 °C

###### · Decomposition temperature:

Not determined.

###### · pH

Mixture is non-soluble (in water).

###### · Viscosity:

###### · Kinematic viscosity

Not determined.

###### · dynamic at 20 °C:

800-1,300 mPas

###### · Solubility

###### · Water:

Not miscible or difficult to mix

###### · Partition coefficient n-octanol/water (log value)

Not determined.

###### · Steam pressure:

Not determined.

###### · Density and/or relative density

###### · Density at 20 °C

1.1 g/cm<sup>3</sup>

###### · Relative density

Not determined.

###### · Vapour density

Not determined.

##### · 9.2 Other information

###### · Appearance:

###### · Form:

Fluid

###### · Important information on protection of health and environment, and on safety.

###### · Self-inflammability:

Product is not selfigniting.

###### · Explosive properties:

Product is not explosive.

###### · Solvent content:

###### · Water:

0.0 %

###### · Solids content:

0.0 %

###### · Change in condition

###### · Evaporation rate

Not determined.

##### · Information with regard to physical hazard classes

###### · Explosives

Void

###### · Flammable gases

Void

###### · Aerosols

Void

###### · Oxidising gases

Void

###### · Gases under pressure

Void

###### · Flammable liquids

Void

###### · Flammable solids

Void

###### · Self-reactive substances and mixtures

Void

###### · Pyrophoric liquids

Void

###### · Pyrophoric solids

Void

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|  |      |
|--|------|
| · <b>Self-heating substances and mixtures</b>                                      | Void |
| · <b>Substances and mixtures, which emit flammable gases in contact with water</b> | Void |
| · <b>Oxidising liquids</b>   | Void |
| · <b>Oxidising solids</b>  | Void |
| · <b>Organic peroxides</b>   | Void |
| · <b>Corrosive to metals</b>   | Void |
| · <b>Desensitised explosives</b>   | Void |

#### SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** None

#### SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.

- **LD/LC50 values that are relevant for classification:**

##### 2768-02-7 trimethoxyvinylsilane

|        |      |                      |
|--------|------|----------------------|
| Oral   | LD50 | 7,130 mg/kg (rat)    |
| Dermal | LD50 | 3,260 mg/kg (rabbit) |

##### 6674-22-2 1,8-diazabicyclo[5.4.0]undec-7-ene

|        |      |                       |
|--------|------|-----------------------|
| Oral   | LD50 | 251-300 mg/kg (rat)   |
| Dermal | LD50 | >1,233 mg/kg (rabbit) |

- **Serious eye damage/irritation** Causes serious eye irritation.
- **Additional toxicological information:**
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction) -**
- **11.2 Information on other hazards**

- **Endocrine disrupting properties**

|          |                          |
|----------|--------------------------|
| 128-37-0 | Butylated hydroxytoluene |
|----------|--------------------------|

List II

#### SECTION 12: Ecological information

- **12.1 Toxicity**

- **Aquatic toxicity:**

##### 6674-22-2 1,8-diazabicyclo[5.4.0]undec-7-ene

|           |             |
|-----------|-------------|
| EC 50/48h | 50 mg/l (G) |
|-----------|-------------|

- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

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- **12.6 Endocrine disrupting properties**

For information on endocrine disrupting properties see section 11.

- **12.7 Other adverse effects**

- **Additional ecological information:**

- **General notes:**

Water hazard class (Germany) 1 (Self-assessment): slightly hazardous for water.

Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

### SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**

- **Recommendation**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

- **Uncleaned packagings:**

- **Recommendation:**

Disposal must be made according to official regulations.

Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning.

- **Recommended cleaning agent:** Water, if necessary with cleaning agent.

### SECTION 14: Transport information

- **14.1 UN number or ID number**

- **ADR, IMDG, IATA**

Void

- **14.2 UN proper shipping name**

- **ADR, IMDG, IATA**

Void

- **14.3 Transport hazard class(es)**

- **ADR, ADN, IMDG, IATA**

- **Class**

Void

- **14.4 Packing group**

- **ADR, IMDG, IATA**

Void

- **14.5 Environmental hazards:**

- **Marine pollutant:**

No

- **14.6 Special precautions for user**

Not applicable.

- **14.7 Maritime transport in bulk according to IMO instruments**

Not applicable.

- **UN "Model Regulation":**

Void

### SECTION 15: Regulatory information

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

- **Poisons Act**

- **Regulated explosives precursors**

None of the ingredients is listed.

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|   |
|---|
| · <b>Regulated poisons</b>                |
| None of the ingredients is listed.        |
| · <b>Reportable explosives precursors</b> |
| None of the ingredients is listed.        |
| · <b>Reportable poisons</b>               |
| None of the ingredients is listed.        |

- **Directive 2012/18/EU**

- **Named dangerous substances - ANNEX I** None of the ingredients is listed.

- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### SECTION 16: Other information

*This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.*

- **Relevant phrases**

H226 Flammable liquid and vapour.

H301 Toxic if swallowed.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H332 Harmful if inhaled.

- **Contact:** chemikalieninfo@murexin.com (+43 02622/27401)

- **Abbreviations and acronyms:**

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organisation

ICAO-TI: Technical Instructions by the "International Civil Aviation Organisation" (ICAO)

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 3: Flammable liquids – Category 3

Acute Tox. 3: Acute toxicity – Category 3

Acute Tox. 4: Acute toxicity – Category 4

Skin Corr. 1B: Skin corrosion/irritation – Category 1B

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Skin Sens. 1B: Skin sensitisation – Category 1B

- **\* Data compared to the previous version altered.**

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