



## SAFETY DATA SHEET

according to the (US) Hazard Communication  
Standard (29 CFR 1910.1200)

**DXA.4081**

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

#### 1.1. Product identifier

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

**Use of the Substance/Mixture** Binder for coating

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

**Company/Undertaking Identification** VANORA AG  
Neulandstrasse 3  
CH-6203 Sempach Station  
T +41 41 469 92 13  
www.vanora.ch  
info@vanora.ch

**1.4. Emergency telephone number** +41 41 469 92 13 (Mo - Fr 8:00 - 12:00 / 13:30 - 17:00 MEZ/CET)  
(+41 44 251 51 51 Tox Center)

**Issuing date** 27.05.2020

**Version** 5.0 us (Previous versions: 4 us)

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

**according to the Globally Harmonized System** The substance or mixture is not classified.

In accordance with Regulation (EC) No. 1272/2008, the product does not need to be classified nor labelled.

**Additional information** For the full text of the phrases mentioned in this Section, see Section 16.

#### 2.2. Label elements

**Signal Word** -

**Hazard Statements** None.

**Precautionary statements** None.

**Supplemental information** None.

**Product identifier** None.

**2.3. Other hazards** None.

### SECTION 3: Composition/information on ingredients

#### Chemical characterization

Aqueous dispersion basend on acrylate.

Components			Product identifier
1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one	< 0,01%	Acute Tox. 4 H302, Skin Irrit. 2 H315, Eye Dam. 1 H318, Skin Sens. 1 H317, Aquatic Acute 1 H400	CAS-No.: 2634-33-5
Pyridine-2-thiol 1-oxide, sodium salt	< 0,01%	Acute Tox. 4 H302, Acute Tox. 4 H312, Acute Tox. 4 H332, Skin Irrit. 2 H315, Eye Irrit. 2 H319, Aquatic Acute 1 H400, Aquatic Chronic 1 H410 M-Factor Acute=100	CAS-No.: 3811-73-2

For the full text of the phrases mentioned in this Section, see Section 16.

#### Hazardous impurities

None known.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### Inhalation

Move to fresh air in case of accidental inhalation of vapours or decomposition products.

##### Skin contact

Wash off with soap and plenty of water.

##### Eye contact

If easy to do, remove contact lens, if worn. Keep eye wide open while rinsing.

##### Ingestion

Do not induce vomiting. Never give anything by mouth to an unconscious person. Consult a physician for severe cases.

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

None known.

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

None known.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

##### Suitable extinguishing media

Water spray. Foam. Dry powder. Carbon dioxide (CO<sub>2</sub>).

##### Extinguishing media which must not be used for safety reasons

High volume water jet.

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

None.

#### 5.3. Advice for firefighters

<b>Special protective equipment for firefighters</b>	Not required.
<b>Specific methods</b>	No special measures required.

## **SECTION 6: Accidental release measures**

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

<b>Advice for non-emergency personnel</b>	No special measures required.
<b>Advice for emergency responders</b>	Handle in accordance with good industrial hygiene and safety practice.

**6.2. Environmental precautions** No special environmental precautions required.

**6.3. Methods and material for containment and cleaning up** Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

## **SECTION 7: Handling and storage**

**7.1. Precautions for safe handling** No special handling advice required.

**7.2. Conditions for safe storage, including any incompatibilities** Do not freeze.

**7.3. Specific end use(s)** No information available.

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

### **8.1. Control parameters**

**Exposure limit(s)** No data is available on the product itself.

### **8.2. Exposure controls**

**Appropriate engineering controls** General industrial hygiene practice.

#### **Personal protection equipment**

*Respiratory protection* No personal respiratory protective equipment normally required.

*Hand protection* Impervious gloves. The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other.

*Eye protection* Avoid contact with eyes. Safety glasses with side-shields.

*Skin and body protection* No special measures required.

*Thermal hazards* No special measures required.

**Environmental exposure controls** No special measures required.

## SECTION 9: Physical and chemical properties

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

<b>Appearance</b>	Slightly viscous.
<b>Colour</b>	White.
<b>Odour</b>	Characteristic.
<b>Odour Threshold</b>	Not determined.
<b>pH:</b>	~7.0
<b>Melting point/range:</b>	No data available.
<b>Boiling point/range:</b>	No data available.
<b>Flash point:</b>	does not flash
<b>Evaporation Rate:</b>	Not determined.
<b>Flammability:</b>	Not determined.
<b>Explosion limits:</b>	Not determined.
<b>Vapour pressure:</b>	Not determined.
<b>Vapor density:</b>	Not determined.
<b>Relative density:</b>	~1.0 g/ml
<b>Water solubility:</b>	dispersible
<b>Partition coefficient (n-octanol/water):</b>	Not determined.
<b>Autoignition temperature:</b>	Not applicable.
<b>Decomposition temperature:</b>	Not determined.
<b>Viscosity:</b>	~400 mPa.s (20°C/68°F)
<b>Explosive properties:</b>	not hazardous
<b>Oxidising properties:</b>	None

### 9.2. Other information

<b>General Product Characteristics</b>	Total solids content approx. 49 Weight %
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## SECTION 10: Stability and reactivity

<b>10.1. Reactivity</b>	No information available.
<b>10.2. Chemical stability</b>	No decomposition if stored and applied as directed.
<b>10.3. Possibility of hazardous reactions</b>	No information available.
<b>10.4. Conditions to avoid</b>	Do not freeze.
<b>10.5. Incompatible materials</b>	None.
<b>10.6. Hazardous decomposition products</b>	None reasonably foreseeable.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

<b>Acute toxicity</b>	None. <b>1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one (CAS 2634-33-5)</b> Oral LD50 Rat = 1020 mg/kg (NZ_CCID)
<b>Skin corrosion/irritation</b>	No data available.
<b>Serious eye damage/eye irritation</b>	No data available.
<b>Respiratory / Skin Sensitisation</b>	No data available.

<b>Carcinogenicity</b>	No data available.
<b>Germ cell mutagenicity</b>	No data available.
<b>Reproductive toxicity</b>	No data available.
<b>Specific target organ toxicity (single exposure)</b>	No data available.
<b>Specific target organ toxicity (repeated exposure)</b>	No data available.
<b>Aspiration hazard</b>	No data available.
<b>Human experience</b>	No data available.

## SECTION 12: Ecological information

**12.1. Toxicity** Ecological injuries are not known or expected under normal use.

### Pyridine-2-thiol 1-oxide, sodium salt (CAS 3811-73-2)

Ecotoxicity - Water Flea - Acute Toxicity Data EC50 48 h water flea 0.022 mg/L

<b>12.2. Persistence and degradability</b>	No data available.
<b>12.3. Bioaccumulative potential</b>	No data available.
<b>12.4. Mobility in soil</b>	No data available.
<b>12.5. Results of PBT and vPvB assessment</b>	No information available.
<b>12.6. Other adverse effects</b>	No information available.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

<b>Waste from residues / unused products</b>	Can be disposed of as a solid waste or burned in a suitable installation subject to local regulations.
<b>Contaminated packaging</b>	Empty containers should be taken to an approved waste handling site for recycling or disposal.

## SECTION 14: Transport information

<b>ADR/RID</b>	Not required.
<b>IMDG</b>	Not required.
<b>IATA</b>	Not required.
<b>Further Information</b>	Not classified as dangerous in the meaning of transport regulations.

## SECTION 15: Regulatory information

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

**Regulatory Information** USA  
The components of this product are listed on the TSCA (USA) and DSL/NDSL (Canada)

**1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one (CAS 2634-33-5)**

Inventory - United States - Section 8(b) Present (ACTIVE)  
Inventory (TSCA)  
U.S. - FIFRA - Listing of Pesticide Section number 180.920  
Chemicals (40 CFR 180)

**Pyridine-2-thiol 1-oxide, sodium salt (CAS 3811-73-2)**

Inventory - United States - Section 8(b) Present (ACTIVE)  
Inventory (TSCA)  
U.S. - FDA - CEDI Database - Cumulative Estimated Daily Intakes (CEDIs) 0.00027 mg/kg/d CEDI (175.105)

**15.2. Chemical safety assessment** Not required.

**SECTION 16: Other information**

**Revision Note** Safety datasheet sections which have been updated: 3,8,12,15,16.

**Key or legend to abbreviations and acronyms** None.

**Full text of phrases referred to under sections 2 and 3** H302: Harmful if swallowed.  
H312: Harmful 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.  
H332: Harmful if inhaled.  
H400: Very toxic to aquatic life.  
H410: Very toxic to aquatic life with long lasting effects.

**Further information** Conversion °C=>°F: °F = (°C \* 1.8) + 32

**Disclaimer** It is not to be considered a warranty or quality specification. 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.