

**Safety data sheet**  
**according to Regulation (EC) No 1907/2006, Article 31**

Printing date 02.12.2024

Version number 2 (replaces version 1)

Revision: 02.12.2024

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**SECTION 1: Identification of the substance/mixture and of the company/  
undertaking****· 1.1 Product identifier****· Trade name: Freezer Pen****· Article number:** 59850**· 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** Paint**· 1.3 Details of the supplier of the safety data sheet****· Manufacturer/Supplier:**

Fackelmann GmbH + Co. KG

Sebastian-Fackelmann-Str. 6

D-91217 Hersbruck

Germany

Tel: +49 (0)9151-811 153

Fax: +49 (0)9151-811 294

www.fackelmann.de

**· Informing department:** Phone: 09151-811 153**· 1.4 Emergency telephone number:**

Phone 09151-811 153

(Office hours 08:00 - 16:00)

Poisoning Information Center Fribourg

Breisacher Strasse 86b

D-79106 Freiburg

Germany

Tel.: +49-(0)761-19240

giftinfo@uniklinik-freiburg.de

(Information in German and English)

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**\* SECTION 2: Hazards identification****· 2.1 Classification of the substance or mixture****· Classification according to Regulation (EC) No 1272/2008**

The product is not classified, according to the CLP regulation.

**· 2.2 Label elements****· Labelling according to Regulation (EC) No 1272/2008** Void**· Hazard pictograms** Void**· Signal word** Void**· Hazard statements** Void**· Additional information:**

Contains 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.

**· 2.3 Other hazards****· Results of PBT and vPvB assessment****· PBT:** Not applicable.**· vPvB:** Not applicable.**· Determination of endocrine-disrupting properties**

The product does not contain substances with endocrine disrupting properties.

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### \* SECTION 3: Composition/information on ingredients

#### · 3.2 Mixtures

· **Description:** Mixture consisting of the following components.

#### · **Dangerous components:**

CAS: 2634-33-5	1,2-benzisothiazol-3(2H)-one	< 0.025%
EINECS: 220-120-9	☠ Eye Dam. 1, H318; ☠ Aquatic Acute 1, H400 (M=10);	
Index number: 613-088-00-6	☠ Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1, H317	
Reg.nr.: 01-2120761540-60-X	Specific concentration limit: Skin Sens. 1; H317: C ≥ 0.05 %	

· **Additional information** For the wording of the listed hazard phrases refer to section 16.

### SECTION 4: First aid measures

#### · 4.1 Description of first aid measures

##### · **General information**

Take affected persons into the open air.

Remove contaminated clothing immediately.

· **After inhalation** Supply fresh air; consult doctor in case of symptoms.

· **After skin contact** If skin irritation continues, consult a doctor.

##### · **After eye contact**

Keep eye lids open and rinse them with ample amounts of clean running water for at least 15 minutes.

Call a doctor immediately.

· **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.

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

Can be released in case of fire:

Nitrogen oxides (NO<sub>x</sub>)

Carbon monoxide (CO)

#### · 5.3 Advice for firefighters

· **Protective equipment:** Wear self-contained breathing apparatus.

##### · **Additional information**

Use water to keep fire exposed containers cool.

Provide for sufficient reservoirs for water for fire fighting.

Dispose of contaminated fire fighting water in accordance with official regulations.

### \* SECTION 6: Accidental release measures

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

Ensure adequate ventilation

Keep away from ignition sources

· **For non-emergency personnel** Avoid contact with the product.

· **For emergency responders** Avoid contact with the product.

#### · 6.2 Environmental precautions: Do not allow to enter drainage system, surface or ground water.

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

Clean preferably with cleaning agent; preferably don't use solvents.

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

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- **6.4 Reference to other sections**

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 away from heat and direct sunlight.  
No special measures required.

- **Information about protection against explosions and fires:** No special measures required.

- **Handling** Wash thoroughly after handling.

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

- **Storage**

- **Requirements to be met by storerooms and containers:** No special requirements.

- **Information about storage in one common storage facility:**

Do not store together with alkalis (caustic solutions).

Do not store together with acids.

Store away from oxidising agents.

- **Further information about storage conditions:** Protect from direct sunlight.

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

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

- **8.1 Control parameters**

- **Components with limit values that require monitoring at the workplace:**

**56-81-5 glycerol**

WEL (Great Britain) Long-term value: 10 mg/m<sup>3</sup>

- **DNELs**

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

Dermal	DNEL (worker, long-term, systemic)	0.966 mg/kg bw/day (human)
	DNEL (consumer, long-term, systemic)	0.345 mg/kg bw/day (human)
Inhalative	DNEL (worker, long-term, systemic)	6.81 mg/m <sup>3</sup> (human)
	DNEL (consumer, long-term, systemic)	1.2 mg/m <sup>3</sup> (human)

- **PNECs**

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

PNEC aqua (freshwater)	0.00403 mg/L (.)
PNEC aqua (marine water)	0.000403 mg/L (.)
PNEC STP - Sewage Treatment Plant	1.03 mg/L (.)
PNEC soil	3 mg/kg soil dw (.)
PNEC sediment (freshwater)	0.0499 mg/kg sedim. dw (.)
PNEC sediment (marine water)	0.00499 mg/kg sedim. dw (.)

- **Additional information:** The lists that were valid during the compilation were used as basis.

- **8.2 Exposure controls**

- **Individual protection measures, such as personal protective equipment**

- **General protective and hygienic measures**

Do not eat or drink while working.

Wash hands during breaks and at the end of the work.

- **Breathing equipment:** Not required when used as intended.

- **Hand protection** No chemical-protective gloves required.

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- **Material of gloves** Not required.
- **Penetration time of glove material** Not required.
- **Eye/face protection** Not required.
- **Body protection:** Not required.

### SECTION 9: Physical and chemical properties

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

##### · General Information

- |   |                        |
|---|------------------------|
| · <b>Colour:</b>  | Black                  |
| · <b>Odour:</b>   | Characteristic         |
| · <b>Odour threshold:</b>   | Not determined.        |
| · <b>Melting point/freezing point:</b>                            | -59 °C                 |
| · <b>Boiling point or initial boiling point and boiling range</b> | 100 °C                 |
| · <b>Flammability</b>   | Not applicable.        |
| · <b>Lower and upper explosion limit</b>                          |                        |
| · <b>Lower:</b>   | 0.9 Vol %              |
| · <b>Upper:</b>   | 12.6 Vol %             |
| · <b>Flash point:</b>   | Not applicable         |
| · <b>Decomposition temperature:</b>                               | Not determined.        |
| · <b>SADT</b>   |                        |
| · <b>pH</b>   | Not determined.        |
| · <b>Viscosity:</b>   |                        |
| · <b>Kinematic viscosity</b>                                      | Not determined.        |
| · <b>dynamic:</b>   | Not determined.        |
| · <b>Solubility</b>   |                        |
| · <b>Water:</b>   | Partly soluble         |
| · <b>Partition coefficient n-octanol/water (log value)</b>        | Not determined.        |
| · <b>Vapour pressure at 20 °C:</b>                                | 398.5 hPa              |
| · <b>Density and/or relative density</b>                          |                        |
| · <b>Density at 20 °C</b>   | 1.06 g/cm <sup>3</sup> |
| · <b>Relative density</b>   | Not determined.        |
| · <b>Vapour density</b>   | Not determined.        |

#### · 9.2 Other information

- |  |                              |
|--|------------------------------|
| · <b>Appearance:</b>   |                              |
| · <b>Form:</b>   | Fluid                        |
| · <b>Important information on protection of health and environment, and on safety.</b> |                              |
| · <b>Self-inflammability:</b>  | Product is not selfigniting. |
| · <b>Explosive properties:</b>   | Product is not explosive.    |
| · <b>Solvent content:</b>  |                              |
| · <b>Organic solvents:</b>   | 5 %                          |
| · <b>VOC EU</b>  | 50.2 g/l                     |
| · <b>VOC EU</b>  | 0.00 %                       |
| · <b>Change in condition</b>   |                              |
| · <b>Evaporation rate</b>  | Not determined.              |

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

- |                               |      |
|-------------------------------|------|
| · <b>Explosives</b>           | Void |
| · <b>Flammable gases</b>      | Void |
| · <b>Aerosols</b>             | Void |
| · <b>Oxidising gases</b>      | Void |
| · <b>Gases under pressure</b> | Void |
| · <b>Flammable liquids</b>    | Void |

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· <b>Flammable solids</b>	Void
· <b>Self-reactive substances and mixtures</b>	Void
· <b>Pyrophoric liquids</b>	Void
· <b>Pyrophoric solids</b>	Void
· <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**
  - **Thermal decomposition / conditions to be avoided:**  
No decomposition if used and stored 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:**  
Nitrogen oxides (NO<sub>x</sub>)  
Carbon monoxide and carbon dioxide

### \* 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:**

#### 2634-33-5 1,2-benzisothiazol-3(2H)-one

Oral	LD50	490 mg/kg (Rat)
Dermal	LD50	> 2,000 mg/kg (Rat)

- **Primary irritant effect:**
  - **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
  - **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
  - **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

- **11.2 Information on other hazards**

- **Endocrine disrupting properties**

None of the ingredients is listed.

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### \* SECTION 12: Ecological information

#### · 12.1 Toxicity

##### · **Aquatic toxicity:**

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

LC50 22 mg/l /96h (Cyprinodon variegatus)

EC50 2.9 mg/l/48h (Daphnia magna)

#### · **12.2 Persistence and degradability** The product is not easily, but potentially biodegradable.

##### · **Other information:** There are no data available about the preparation.

#### · **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.

#### · **12.6 Endocrine disrupting properties**

The product does not contain substances with endocrine disrupting properties.

#### · **12.7 Other adverse effects** No further relevant information available.

##### · **Behaviour in sewage processing plants:**

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

EC50 12.8 mg/l/3h (activated sludge)

##### · **Additional ecological information:**

##### · **General notes:**

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water.

Do not allow product to reach ground water, water bodies or sewage system.

Danger to drinking water if even small quantities leak into soil.

### \* SECTION 13: Disposal considerations

#### · **13.1 Waste treatment methods**

##### · **Recommendation**

Smaller quantities can be disposed with household waste.

The waste code numbers mentioned are recommendations based on the probable use of the product.

##### · **European waste catalogue**

08 00 00	WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS
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08 01 00	wastes from MFSU and removal of paint and varnish
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08 01 12	waste paint and varnish other than those mentioned in 08 01 11
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##### · **Uncleaned packagings:**

##### · **Recommendation:**

Dispose of packaging according to regulations on the disposal of packagings.

Non contaminated packagings can be used for recycling.

### \* SECTION 14: Transport information

#### · **14.1 UN number or ID number**

##### · **ADR/RID, ADN, IMDG, IATA**

Void

#### · **14.2 UN proper shipping name**

##### · **ADR/RID, ADN, IMDG, IATA**

Void

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· <b>14.3 Transport hazard class(es)</b>	
· <b>ADR/RID, ADN, IMDG, IATA</b>	
· <b>Class</b>	Void
· <b>14.4 Packing group</b>	
· <b>ADR/RID, IMDG, IATA</b>	Void
· <b>14.5 Environmental hazards:</b>	Not applicable.
· <b>14.6 Special precautions for user</b>	Not applicable.
· <b>14.7 Maritime transport in bulk according to IMO instruments</b>	Not applicable.
· <b>Transport/Additional information:</b>	Not dangerous according to the above specifications.
· <b>UN "Model Regulation":</b>	Void

### \* SECTION 15: Regulatory information

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

##### · Directive 2012/18/EU

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

##### · **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

##### · **REGULATION (EU) 2019/1148**

· **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

· **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients is listed.

· **Regulation (EC) No 273/2004 on drug precursors**

None of the ingredients is listed.

· **Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

None of the ingredients is listed.

##### · **National regulations**

· **Water hazard class:** Water hazard class 2 (Self-assessment): hazardous for water.

· **Substances of very high concern (SVHC) according to REACH, Article 57**

None of the ingredients is contained.

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

### \* SECTION 16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

This safety data sheet meets the requirements of Regulation (EU) 2015/830 and 2020/878 amending Annex II of Regulation (EC) 1907/2006.

This data sheet considers labelling requirements of Regulation (EU) 2021/849 adapting Regulation (EC) No 1272/2008 (17th ATP of the CLP Regulation).

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This data sheet considers labelling requirements of Regulation (EU) 2022/692 adapting Regulation (EC) No 1272/2008 (18th ATP of the CLP Regulation).

- **Relevant phrases**

The phrases specified here are no labelling elements for the product but repeat the properties of the ingredients from section 3.

H302 Harmful if swallowed.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H400 Very toxic to aquatic life.

- **Department issuing data specification sheet:**



This Safety Data Sheet has been drawn up in cooperation with:  
DEKRA Assurance Services GmbH, Hanomagstr. 12, D-30449 Hanover, Germany,  
phone: (+49) 511 42079 - 0, reach@dekra.com.

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- **Date of previous version:** 08.12.2017

- **Version number of previous version:** 1

- **Abbreviations and acronyms:**

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)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

Acute Tox. 4: Acute toxicity – Category 4

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

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

Skin Sens. 1: Skin sensitisation – Category 1

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

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