

# Safety data sheet according to UK REACH

Printing date 21.02.2025

Version number 6

Revision: 21.02.2025

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

- **1.1 Product identifier**
- **Trade name** *EMULPLAST POLARWEISS KA 2500*
- **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** *Dispersion*
- **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**



GHS07

*Skin Sens. 1 H317 May cause an allergic skin reaction.*

- **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-determining components of labelling:**  
*2-Methyl-2H-isothiazol-3-one [EC no. 220-239-6]*
- **Hazard statements**  
*H317 May cause an allergic skin reaction.*
- **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.*
  - P280 Wear protective gloves / eye protection.*
  - P302+P352 IF ON SKIN: Wash with plenty of water.*
  - P333+P313 If skin irritation or rash occurs: Get medical advice/attention.*
  - P362+P364 Take off contaminated clothing and wash it before reuse.*
  - P501 Dispose of contents/container in accordance with local/regional/national/international regulations.*
- **Additional information:**  
*Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.*
- **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: 1317-65-3 EINECS: 215-279-6	Calciumcarbonat substance with a Community workplace exposure limit	25-50%
CAS: 1332-58-7	kaolin substance with a Community workplace exposure limit	1-2.5%
CAS: 2634-33-5 EINECS: 220-120-9	1,2-benzisothiazol-3(2H)-one [EC no. 220-120-9] <div> <div>☠</div> Acute Tox. 2, H330  <div>⚠</div> Eye Dam. 1, H318  <div>🐟</div> Aquatic Acute 1, H400  <div>⚠</div> Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1, H317  ATE: LD50 oral: 450 mg/kg  LC50/4 h inhalative: 0.21 mg/l  Specific concentration limit: Skin Sens. 1A; H317: C ≥ 0.036 % </div>	<0.1%
CAS: 2682-20-4 EINECS: 220-239-6	2-Methyl-2H-isothiazol-3-one [EC no. 220-239-6] <div> <div>☠</div> Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 2, H330  <div>⚠</div> Skin Corr. 1B, H314; Eye Dam. 1, H318  <div>🐟</div> Aquatic Acute 1, H400 (M=10); Aquatic Chronic 1, H410 (M=1)  <div>⚠</div> Skin Sens. 1A, H317  EUH071  Specific concentration limit: Skin Sens. 1A; H317: C ≥ 0.0015 % </div>	<0.025%

### SECTION 4: First aid measures

#### · 4.1 Description of first aid measures

· **General information** No special measures required.· **After inhalation** Supply fresh air; consult doctor in case of symptoms.

#### · **After skin contact**

Instantly wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

· **After eye contact** Rinse opened eye for several minutes under running water.

#### · **After swallowing**

Rinse out mouth and then drink plenty of water.

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.

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- **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.  
Dilute with much water.
- **6.3 Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **6.4 Reference to other sections**  
No dangerous materials are released.  
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** No special measures required.
- **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:** Not required.
- **Further information about storage conditions:**  
Protect from frost.  
Keep container tightly sealed.
- **Storage class** 12
- **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:**

#### 1317-65-3 Calciumcarbonat

WEL	Long-term value: 10* 4** mg/m <sup>3</sup> *inhalable dust; **respirable
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#### 1332-58-7 kaolin

WEL	Long-term value: 2 mg/m <sup>3</sup>
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- **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.
- **Breathing equipment:**  
Only during spraying without adequate removal by suction.  
Filter A/P2.

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- **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 trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye/face protection** Safety glasses recommended during refilling.
- **Body protection:** Protective work clothing.

### SECTION 9: Physical and chemical properties

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

- **General Information**
- **Physical state** Liquid
- **Colour:** According to product specification
- **Smell:** Characteristic
- **Melting point/freezing point:** 0 °C
- **Boiling point or initial boiling point and boiling range** 100 °C (7732-18-5 water, distilled, conductivity or of similar purity)
- **Lower and upper explosion limit**
- **Lower:** Not determined.
- **Upper:** Not determined.
- **Flash point:** Not applicable
- **pH at 20 °C** 8.7
- **Viscosity:**
- **Kinematic viscosity** Not determined.
- **dynamic at 20 °C:** 16,000-20,000 mPas
- **Solubility**
- **Water:** Dispersible
- **Steam pressure at 20 °C:** 23 hPa (7732-18-5 water, distilled, conductivity or of similar purity)
- **Density and/or relative density**
- **Density at 20 °C** 1.6 g/cm<sup>3</sup>

#### · 9.2 Other information

- **Appearance:**
- **Form:** Pasty
- **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:** 32.3 %
- **Solids content:** 61.1 %

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

- **Explosives** Void
- **Flammable gases** Void
- **Aerosols** Void
- **Oxidising gases** Void

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· Gases under pressure	Void
· Flammable liquids	Void
· Flammable solids	Void
· Self-reactive substances and mixtures	Void
· Pyrophoric liquids	Void
· Pyrophoric solids	Void
· Self-heating substances and mixtures	Void
· Substances and mixtures, which emit flammable gases in contact with water	Void
· Oxidising liquids	Void
· Oxidising solids	Void
· Organic peroxides	Void
· Corrosive to metals	Void
· Desensitised explosives	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:

##### 1317-65-3 Calciumcarbonat

Oral	LD50	>5,000 mg/kg (rat)
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##### 2634-33-5 1,2-benzisothiazol-3(2H)-one [EC no. 220-120-9]

Oral	LD50	450 mg/kg (ATE)
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Inhalative	LC50/4 h	0.21 mg/l (ATE)
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- **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.
- **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.
- **Additional toxicological information:**
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction) -**
- **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:

##### 1317-65-3 Calciumcarbonat

EC 50/48h &gt;1,000 mg/l (G)

EC 50 289 mg/l (*Desmodesmus subspicatus*)LC50 >10,000 mg/l (*Oncorhynchus mykiss* (Regenbogenforelle))

##### 2634-33-5 1,2-benzisothiazol-3(2H)-one [EC no. 220-120-9]

EC 50/48h 3.27 mg/l (*Daphnie*)

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.

#### 12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

#### 12.7 Other adverse effects

##### Additional ecological information:

##### General notes:

Water hazard class (Germany) 2 (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 garbage.

##### 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, ADN, IMDG, IATA Void

#### 14.2 UN proper shipping name

ADR, ADN, 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

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- |   |                 |
|---|-----------------|
| <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>· UN "Model Regulation":</b>                                       | 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.
- **Regulated poisons**
- None of the ingredients is listed.
- **Reportable explosives precursors**
- None of the ingredients is listed.
- **Reportable poisons**

1310-73-2	sodium hydroxide	12% of total caustic alkalinity
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- **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**
- H301 Toxic if swallowed.
- H302 Harmful if swallowed.
- H311 Toxic in contact with skin.
- H314 Causes severe skin burns and eye damage.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H330 Fatal if inhaled.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.
- EUH071 Corrosive to the respiratory tract.
- **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)
- ICAO: International Civil Aviation Organisation
- 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

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*PBT: Persistent, Bioaccumulative and Toxic**vPvB: very Persistent and very Bioaccumulative**ATE: Acute toxicity estimate values**Acute Tox. 3: Acute toxicity – Category 3**Acute Tox. 4: Acute toxicity – Category 4**Acute Tox. 2: Acute toxicity – Category 2**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**Skin Sens. 1: Skin sensitisation – Category 1**Skin Sens. 1A: Skin sensitisation – Category 1A**Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1**Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1***\* Data compared to the previous version altered.**

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