



## Safety data sheet

### according to EU 2015/830

Printing date 22.01.2018

Version-No. 3

Revision: 22.01.2018

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

- **1.1. Product identifier**
- **Trade name / Article-No: KLEIBERIT 525.3**
- **Comoponent: A**
- **1.2. Relevant identified uses of the substance / mixture or uses advised against**  
No further relevant information available.
- **Application of the substance / the mixture** Adhesives
- **1.3. Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
KLEBCHEMIE  
M.G.Becker GmbH & Co. KG  
Max Becker Str. 4  
D - 76356 Weingarten / Baden  
Germany
- **Further information obtainable from:**  
phone: +49-7244-62-0  
FAX: +49-7244-700-0  
Email: hse@kleiberit.com
- **1.4. Emergency telephone number:**  
phone: +49-7244 62 486 / Language: English, German  
available on workdays (Mo - Fr) 08:00 am to 04:00 pm (Central European Time- CET)

#### **SECTION 2: Hazards identification**

- **2.1. Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008 - GHS/CLP**  
The product is not classified as hazardous to health or environment according to the CLP regulation.
- **2.2. Label elements**
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **Additional information:**  
Safety data sheet available on request.
- **2.3. Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

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

- **3.2 Mixtures**
- **Description:** Mixture of substances listed below with nonhazardous additions.
- **Dangerous components:**

· Registry-No's	Identification / Classification GHS-CLP	%
CAS: 25214-63-5	ethylenediamine, propoxylated	3-5%
Reg.nr.: 01-2119471485-32-XXXX	Eye Irrit. 2, H319	

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CAS: 7727-43-7 barium sulfate 30-40%

Reg.nr.: 01-2119472146-39-XXXX hydrocarbons, C11-C12, isoalkanes, < 2% aromatics <2%

Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Chronic 4, H413

**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:** No special measures required.
- **After inhalation:** Unnecessary
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:**
  - Rinse out mouth with plenty of water.
  - Rinse out mouth and then drink plenty of water.
  - Seek medical treatment.
- **Information for 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:**  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **5.2. Special hazards arising from the substance or mixture**  
Under certain fire conditions, traces of other toxic gases cannot be excluded.
- **5.3. Advice for firefighters**
- **Protective equipment:** Wear self-contained respiratory protective device.

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

- **6.1. Personal precautions, protective equipment and emergency procedures**  
Particular danger of slipping on leaked/spilled product.
- **6.2. Environmental precautions:** No special measures required.
- **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 substances are released.  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

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

- **Handling:**
- **7.1. Precautions for safe handling** No special measures required.
- **Information about fire - and explosion protection:** No special measures required.
- **7.2. Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special measures required.
- **Information about storage in one common storage facility:** Observe the national regulations.
- **Further information about storage conditions:** None.

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

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

- **Additional information about design of technical facilities:** No further data; see item 7.

- **8.1. Control parameters**

- **Ingredients with limit 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.

- **DNELs**

**7727-43-7 barium sulfate**

Inhalative DNEL long term 10 mg/m<sup>3</sup> (human being)

- **PNECs**

**7727-43-7 barium sulfate**

PNEC- Freshwater 0.115 mg/l (x00)

PNEC-Freshwater sediment 600.4 mg/kg (x00)

PNEC-soil 207.7 mg/kg (x00)

PNEC-wastewater treatment plant 62.2 mg/l (x00)

- **8.2. Exposure controls** 8 hours

- **Personal protective equipment:**

- **General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.

- **Respiratory protection:** Not required.

- **Protection of hands:** Protective gloves and protective skin cream

- **Eye protection:** Goggles recommended during refilling

**SECTION 9: Physical and chemical properties**

- **9.1. Information on basic physical and chemical properties**

- **General Information**

- **Appearance:**

Form: Fluid

Colour: Beige

· **Odour:** Weak, characteristic

· **Odour threshold:** Not determined.

· **pH-value:** Not applicable

- **Change in condition**

**Melting point/freezing point:** Undetermined.

**Initial boiling point and boiling range:** >100 °C

· **Flash point:** >140 °C

· **Flammability (solid, gas):** Not applicable.

· **Ignition temperature:** Not applicable.

· **Decomposition temperature:** Not determined.

· **Auto-ignition temperature:** Product is not selfigniting.

· **Explosive properties:** Product does not present an explosion hazard.

- **Explosion limits:**

Lower: Not determined.

Upper: Not determined.

· **Vapour pressure:** Not determined.

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· <b>Density at 20 °C:</b>	ca. 1.7 g/cm <sup>3</sup>
· <b>Relative density</b>	Not determined.
· <b>Vapour density</b>	Not determined.
· <b>Evaporation rate</b>	Not determined.
· <b>Solubility in / Miscibility with water:</b>	Not miscible or difficult to mix.
· <b>Partition coefficient: n-octanol/water:</b>	Not determined.
· <b>Viscosity:</b> <b>Dynamic at 20 °C:</b>	ca. 5.000 mPas Method: Brookfield RVT
<b>Kinematic:</b>	Not determined.
<b>Organic solvents:</b>	1.1 %
· <b>9.2. Other information</b>	No further relevant information available.

**SECTION 10: Stability and reactivity**

- **10.1. Reactivity** see item 10.3
- **10.2. Chemical stability** Stable when stored and used properly.
- **Thermal decomposition / 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:** No dangerous decomposition products known.

**SECTION 11: Toxicological information**

- **11.1. Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.
- **LD/LC<sub>50</sub> values relevant for classification:**

**7727-43-7 barium sulfate**Oral LD<sub>50</sub> >5,000 mg/kg (rat)**25214-63-5 ethylenediamine, propoxylated**Oral LD<sub>50</sub> 2,001 mg/kg (rat)Dermal LD<sub>50</sub> 2,001 mg/kg (rabbit)**hydrocarbons, C11-C12, isoalkanes, < 2% aromatics**Oral LD<sub>50</sub> >5,000 mg/kg (rat)Dermal LD<sub>50</sub> >5,000 mg/kg (rabbit)Inhalative LC<sub>50</sub> /4 h >5,000 mg/l (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.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **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.

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**SECTION 12: Ecological information**

- 12.1. **Toxicity**
- **Aquatic toxicity:**

**25214-63-5 ethylenediamine, propoxylated**

LC<sub>50</sub> >100 mg / l / 96h (Zebrafish - Danio rerio) (OECD 203)

LC<sub>50</sub> >100 mg / l / 48h (water flea - Daphnia) (OECD 202)

- 12.2. **Persistence and degradability** No further relevant information available.

- **Other information:** The product is biodegradable.

- 12.3. **Bioaccumulative potential** No further relevant information available.

- 12.4. **Mobility in soil** No further relevant information available.

- **Ecotoxicological effects:**

- **Behaviour in sewage processing plants:**

- **Remark:**

At correct sewage disposal in small quantities to biological sewage plants failures of the activated sludge are not expected.

- **Additional ecological information:**

· **General notes:** Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

- 12.5. **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

- 12.6. **Other adverse effects** No further relevant information available.

**SECTION 13: Disposal considerations**

- 13.1. **Waste treatment methods**

- **Recommendation**

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

- **European waste catalogue**

08 04 10 waste adhesives and sealants other than those mentioned in 08 04 09

- **Uncleaned packaging:**

- **Recommendation:**

Non contaminated packagings may be recycled.

Empty contaminated packagings thoroughly. Disposal must be made according to official regulations.

**SECTION 14: Transport information**

· 14.1. <b>UN-Number</b>	Unnecessary
· 14.2. <b>UN proper shipping name</b>	Unnecessary
· 14.3. <b>Transport hazard class(es)</b>	Unnecessary
· 14.4. <b>Packing group</b>	Unnecessary
· 14.5. <b>Environmental hazards:</b>	Unnecessary
· 14.6. <b>Special precautions for user</b>	Unnecessary
· 14.7. <b>Transport in bulk according to Annex II of Marpol and the IBC Code</b>	Unnecessary

**SECTION 15: Regulatory information**

- 15.1. **Safety, health and environmental regulations/legislation specific for the substance or mixture**  
See position no 2 - Hazards Identification

- **Directive 2012/18/EU - Seveso-III:**

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

- **National regulations:**

- **D: Waterhazard class** Water hazard class 1 (Self-assessment): slightly hazardous for water.

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- EU: VOC - Volatile Organic Compounds (Directive 13/1999/EC)
- VOC - portion [g/L]: 19.0 g/l
- VOC - portion [mass-%]: 1.10 %

· 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.

H304 May be fatal if swallowed and enters airways.

H319 Causes serious eye irritation.

H413 May cause long lasting harmful effects to aquatic life.

· **Department issuing SDS:** Safety & Environment

· **Abbreviations and acronyms:**

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)

MAL-Code: Måleteknisk Arbejdshygienisk Luftbehov (Regulation for the labeling concerning inhalation hazards, Denmark)

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

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 3: Flammable liquids – Category 3

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

Asp. Tox. 1: Aspiration hazard – Category 1

Aquatic Chronic 4: Hazardous to the aquatic environment - long-term aquatic hazard – Category 4

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

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