

**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**
- **Component:** 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 | |

(Contd. on page 2)

-INT

Safety data sheet

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Version-No. 3

Revision: 22.01.2018

Trade name / Article-No: KLEIBERIT 525.3

(Contd. of page 1)

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:**
CO₂, 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.

(Contd. on page 3)

Safety data sheet

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Version-No. 3

Revision: 22.01.2018

Trade name / Article-No: **KLEIBERIT 525.3***(Contd. of page 2)*

- **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/m³ (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.

(Contd. on page 4)

Safety data sheet

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Version-No. 3

Revision: 22.01.2018

Trade name / Article-No: KLEIBERIT **525.3**

(Contd. of page 3)

- **Density at 20 °C:** ca. 1.7 g/cm³
- **Relative density** Not determined.
- **Vapour density** Not determined.
- **Evaporation rate** Not determined.
- **Solubility in / Miscibility with water:** Not miscible or difficult to mix.
- **Partition coefficient: n-octanol/water:** Not determined.
- **Viscosity:**
 - Dynamic at 20 °C:** ca. 5.000 mPas
Method: Brookfield RVT
 - Kinematic:** Not determined.
 - Organic solvents:** 1.1 %
- **9.2. Other information** 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/LC₅₀ values relevant for classification:**
 - 7727-43-7 barium sulfate**
 - Oral LD₅₀ >5,000 mg/kg (rat)
 - 25214-63-5 ethylenediamine, propoxylated**
 - Oral LD₅₀ 2,001 mg/kg (rat)
 - Dermal LD₅₀ 2,001 mg/kg (rabbit)
 - hydrocarbons, C11-C12, isoalkanes, < 2% aromatics**
 - Oral LD₅₀ >5,000 mg/kg (rat)
 - Dermal LD₅₀ >5,000 mg/kg (rabbit)
 - Inhalative LC₅₀ /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.

(Contd. on page 5)

INT

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Version-No. 3

Revision: 22.01.2018

Trade name / Article-No: **KLEIBERIT 525.3**

(Contd. of page 4)

SECTION 12: Ecological information

- **12.1. Toxicity**
- **Aquatic toxicity:**
 - 25214-63-5 ethylenediamine, propoxylated**
 - LC₅₀ >100 mg / l / 96h (Zebrafish - Danio rerio) (OECD 203)
 - LC₅₀ >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. UN-Number | Unnecessary |
| • 14.2. UN proper shipping name | Unnecessary |
| • 14.3. Transport hazard class(es) | Unnecessary |
| • 14.4. Packing group | Unnecessary |
| • 14.5. Environmental hazards: | Unnecessary |
| • 14.6. Special precautions for user | Unnecessary |
| • 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code | 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.

(Contd. on page 6)

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Version-No. 3

Revision: 22.01.2018

Trade name / Article-No: KLEIBERIT 525.3

(Contd. of page 5)

- **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 Arbejdshygiejnisk 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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