

## Safety data sheet

according to Regulation (EC) No. 1907/2006 as amended from  
time to time

Printing date 07.11.2023


Version-No. 5 (replaces version 4)

Revision: 07.11.2023

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

- **1.1. Product identifier**
- Trade name / Article-No: **KLEIBERIT 754.1**
- **UFI:** J910-S041-M00E-R6E3
- **1.2. Relevant identified uses of the substance / mixture or uses advised against**  
For professional users only.
- **Application of the substance / the mixture** Adhesives
- **1.3. Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
KLEIBERIT SE & Co. KG  
Max-Becker-Str. 4  
76356 Weingarten  
Germany
- **Further information obtainable from:**  
phone: +49 (0) 7244 62-0  
FAX: +49 (0) 7244 700-0  
E-Mail: hse@kleiberit.com
- **1.4. Emergency telephone number:**  
**+44 1235 239670** European regional number (European languages)  
**112** Emergency telephone number for Malta  
**543 22 22** Icelandic University Hospital

### SECTION 2: Hazards identification

- **2.1. Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008 - GHS/CLP**  
Skin Sens. 1 H317 May cause an allergic skin reaction.
- **2.2. Label elements**
- **Hazard pictograms**  
  
GHS07
- **Signal word** Warning
- **Hazard-determining components of labelling:**  
maleic anhydride
- **Hazard statements**  
H317 May cause an allergic skin reaction.
- **Precautionary statements**  
P280 Wear protective gloves / eye protection.  
P302+P352 IF ON SKIN: Wash with plenty of water and soap.  
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
- **2.3. Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

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### 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   | %            |
|---------------|---|--------------|
| 108-31-6      | maleic anhydride  | ≥0.001-<0.1% |
|               | Resp. Sens. 1, H334; STOT RE 1, H372; Skin Corr. 1B, H314; Eye Dam. 1, H318;<br>Acute Tox. 4, H302; Skin Sens. 1A, H317, EUH071 |              |
|               | Specific concentration limit: Skin Sens. 1A; H317: C ≥ 0.001 %  |              |

· **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

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

#### · After skin contact:

Treat affected skin with cotton wool or cellulose. Then wash and rinse thoroughly with water and a mild cleaning agent.

If skin irritation continues, consult a doctor.

#### · After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

· **After swallowing:** Call for a doctor immediately.

#### 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** No further relevant information available.

#### · 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

Wear protective equipment. Keep unprotected persons away.

· **6.2. Environmental precautions:** No special measures required.

· **6.3. Methods and material for containment and cleaning up:** Pick up mechanically.

#### · 6.4. Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

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See Section 13 for disposal information.

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### SECTION 7: Handling and storage

- **7.1. Precautions for safe handling** Prevent formation of dust.
- **Information about fire - and explosion protection:** Dust can combined with air to form an explosive mixture.
- **7.2. Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Keep container tightly closed.
- **Information about storage in one common storage facility:** Observe the national regulations.
- **Further information about storage conditions:** None.
- **7.3. Specific end use(s)** No further relevant information available.

### SECTION 8: Exposure controls/personal protection

- **8.1. Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:**

- **DNELs**

- **108-31-6 maleic anhydride**

- Inhalative DNEL short term 0.2 mg/m<sup>3</sup> (human being)

- DNEL long term 0.081 mg/m<sup>3</sup> (human being)

- **PNECs**

- **108-31-6 maleic anhydride**

- PNEC- Freshwater 0.038 mg/l (not specified)

- PNEC-seawater 0.0038 mg/l (not specified)

- PNEC-Freshwater sediment 0.296 mg/kg (not specified)

- PNEC-Seawater sediment 0.0296 mg/kg (not specified)

- PNEC-soil 0.037 mg/kg (not specified)

- PNEC-wastewater treatment plant 44.6 mg/l (not specified)

- **CAS No. Designation of material % Type Value Unit**

- **108-31-6 maleic anhydride**

- AGW (Germany) Long-term value: 0.081 mg/m<sup>3</sup>, 0.02 ppm  
1;=2.5=(I);DFG, Sah, Y, 11

- **8.2. Exposure controls**

- limit the exposure to:

- 8 hours

- **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 are to be adhered to when handling chemicals.

- **Respiratory protection:** Not necessary if room is well-ventilated.

- **Hand protection** Protective gloves

- **Material of gloves** A Nitrile rubber - NBR: AlphaTec® (> 0,4 mm)

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- Eye/face protection Safety glasses
- Body protection: Protective work clothing

### SECTION 9: Physical and chemical properties

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

##### General Information

- |  |                                     |
|--|-------------------------------------|
| · Physical state   | Solid                               |
| · Colour:  | Different according to colouring    |
| · Odour:   | Light                               |
| · Odour threshold:   | Not determined.                     |
| · Melting point/freezing point:                            | Undetermined.                       |
| · Boiling point or initial boiling point and boiling range | Undetermined.                       |
| · Flammability   | Not determined.                     |
| · Lower and upper explosion limit                          |                                     |
| · Lower:   | Not determined.                     |
| · Upper:   | Not determined.                     |
| · Flash point:   | Not applicable.                     |
| · Auto-ignition temperature:                               | Not applicable.                     |
| · Decomposition temperature:                               | Not determined.                     |
| · pH   | Not applicable.                     |
| · Viscosity:   | At room temperature: not applicable |
| · Kinematic viscosity                                      | Not applicable.                     |
| · Dynamic:   | Not applicable.                     |
| · Solubility   |                                     |
| · water:   | Insoluble.                          |
| · Partition coefficient n-octanol/water (log value)        | Not determined.                     |
| · Vapour pressure:   | Not applicable.                     |
| · Density and/or relative density                          |                                     |
| · Density at 20 °C:  | ca. 1.17 g/cm <sup>3</sup>          |
| · Relative density   | Not determined.                     |
| · Vapour density   | Not applicable.                     |
| · Particle characteristics                                 |                                     |
| See section 3.   |                                     |

#### 9.2. Other information

- |   |   |
|---|---|
| · Appearance:   |   |
| · Form:   | Granulate                                     |
| · Important information on protection of health and environment, and on safety. |   |
| · Ignition temperature:   | Product is not selfigniting.                  |
| · Explosive properties:   | Product does not present an explosion hazard. |
| · Change in condition   |   |
| · Softening temperature / range:  | 165 +/- 5 °C                                  |
| · Evaporation rate  | Not applicable.                               |
| · Information with regard to physical hazard classes                            |   |
| · Explosives  | Void  |
| · Flammable gases   | Void  |

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|  |      |
|--|------|
| · Aerosols   | Void |
| · Oxidising gases  | Void |
| · 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<br>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**  
see item 10.3  
No further relevant information available.
- **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 hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.
- **LD/LC<sub>50</sub> values relevant for classification:**  
  
**108-31-6 maleic anhydride**  
 Oral LD<sub>50</sub> 1,090 mg/kg (rat)  
 Dermal LD<sub>50</sub> 2,620 mg/kg (rabbit)
- **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** May cause an allergic skin reaction.
- **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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- 11.2 Information on other hazards
- Endocrine disrupting properties

None of the ingredients is listed.

### SECTION 12: Ecological information

- 12.1. Toxicity
- Aquatic toxicity:

#### 108-31-6 maleic anhydride

LC<sub>50</sub> 75 mg / l / 96h (Fathead minnow - Pimephales promelas)EC<sub>50</sub> 42.81 mg / l / 48h (water flea - daphnia)EC<sub>50</sub> 74.32 mg / l / 72h (green algae - Desmodesmus subspicatus)

- 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

- 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

### 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

08 04 09\*: waste adhesives and sealants containing organic solvents or other dangerous substances

- 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 or ID number

- ADR, IMDG, IATA

Void

- 14.2. UN proper shipping name

- DOT, ADR, IMDG, IATA

Void

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- 14.3. Transport hazard class(es)
- Class Void
- 14.4. Packing group
- ADR, IMDG, IATA Void
- 14.5. Environmental hazards: Not applicable.
- 14.6. Special precautions for user Not applicable.
- 14.7. Maritime transport in bulk according to IMO instruments Not applicable.

### 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.
- Regulation (EU) No 649/2012

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:

- D: Waterhazard class Water hazard class 1 (Self-assessment): slightly hazardous for water.
- Other regulations, limitations and prohibitive regulations: For professional users only.
- VOC - 2010/75/EU [g/L]: 0.4 g/l
- VOC - 2010/75/EU [%]: 0.03 %

- 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.

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**Trade name / Article-No: KLEIBERIT 754.1***(Contd. of page 7)***· Relevant phrases**

- H302 Harmful if swallowed.
- H314 Causes severe skin burns and eye damage.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- H372 Causes damage to organs through prolonged or repeated exposure.
- EUH071 Corrosive to the respiratory tract.

**· Department issuing SDS: Safety & Environment****· Version number of previous version: 4****· 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
- DOT: US Department of Transportation
- 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
- vPvB: very Persistent and very Bioaccumulative
- Acute Tox. 4: Acute toxicity – Category 4
- Skin Corr. 1B: Skin corrosion/irritation – Category 1B
- Eye Dam. 1: Serious eye damage/eye irritation – Category 1
- Resp. Sens. 1: Respiratory sensitisation – Category 1
- Skin Sens. 1: Skin sensitisation – Category 1
- Skin Sens. 1A: Skin sensitisation – Category 1A
- STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1