



Safety Data Sheet

acc. to OSHA HCS

Printing date 11/16/2018

Version-No. 5

Reviewed on 11/16/2018

1 Identification

- **1.1. Product identifier**
- **Trade name / Article No: KLEIBERIT 773.3**
- **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

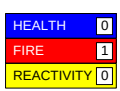
KLEIBERIT Adhesives USA Inc.

 109-B Howie Mine Road, PO Box 1319
 Waxhaw, NC 28173
 USA
- **Information department:**
 e-mail: hse@kleiberit.com

Phone 1-704-843-3339
 FAX 1-704-843-4930
- **1.4. Emergency telephone number:**
 +1 866 928 0789 USA (English, French, Spanish)
 +1 215 207 0061 Americas regional number (English, Spanish, Portuguese)

2 Hazard(s) 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
- **Hazardous Material (US)**
 This material is not considered as hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)
- **NFPA-ratings (scale 0 - 4) - USA:**

 Health = 0
 Fire = 1
 Reactivity = 0
- **HMIS-ratings (scale 0 - 4) - USA:**

 Health = 0
 Fire = 1
 Reactivity = 0
- **CARCINOGENICITY** NTP: No IARC: No OSHA: No
- **2.3. Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3 Composition/information on ingredients

- **3.2 Mixtures**
- **Description:** Mixture of synthetic plastics, based on ethylene vinyl acetate

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- **Dangerous components:**

· Registry-No's	Identification / Classification GHS-CLP	Void	%
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- **Additional information:** For the wording of the listed hazard phrases refer to section 16.

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 complaints.
- **After skin contact:** After contact with the molten product, cool rapidly with cold water.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:**
Rinse out mouth with 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.

5 Fire-fighting measures

- **5.1. Extinguishing media**
- **Suitable extinguishing agents:**
CO₂, extinguishing powder or water spray. Fight larger fires with water spray.
CO₂, extinguishing 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.

6 Accidental release measures

- **6.1. Personal precautions, protective equipment and emergency procedures** Not required.
- **6.2. Environmental precautions:** No special measures required.
- **6.3. Methods and material for containment and cleaning up:** Allow to solidify. Pick up mechanically.
- **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.
- **Protective Action Criteria for Chemicals**
- **PAC-1:**
24937-78-8 Ethyl vinyl acetate copolymer: 30 mg/m³
108-05-4 vinyl acetate: 6.7 ppm
20344-49-4 Iron hydroxide oxide, (Fe(OH)O): 24 mg/m³
91-20-3 naphthalene: 15 ppm
- **PAC-2:**
24937-78-8 Ethyl vinyl acetate copolymer: 330 mg/m³
108-05-4 vinyl acetate: 36 ppm
20344-49-4 Iron hydroxide oxide, (Fe(OH)O): 260 mg/m³
91-20-3 naphthalene: 83 ppm

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· **PAC-3:**24937-78-8 Ethyl vinyl acetate copolymer: 2,000 mg/m³

108-05-4 vinyl acetate: 180 ppm

20344-49-4 Iron hydroxide oxide, (Fe(OH)O): 1,600 mg/m³

91-20-3 naphthalene: 500 ppm

7 Handling and storage

· **Handling:**· **7.1. Precautions for safe handling**

Any deposit of dust which cannot be avoided must be regularly removed.

Use appropriate industrial vacuum cleaners or central vacuum systems for dust removal.

Prevent formation of dust.

· **Information about protection against explosions and fires:**

Dust can combine 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:** No special measures required.· **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.

8 Exposure controls/personal protection

· **Additional information about design of technical systems:** No further data; see item 7.· **8.1. Control parameters**· **Components 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.

· **8.2. Exposure controls** 8 hours· **Personal protective equipment:**· **General protective and hygienic measures:**

The usual precautionary measures for handling chemicals should be followed.

· **Breathing equipment:**

Wear NIOSH-approved, air-purifying respirator.

Combination Filter OV (Organic Vapours) / P95 (Particles and Aerosols) [42 CFR part 84]

· **Protection of hands:** Protective gloves· **Material of gloves** Synthetic gloves· **Eye protection:** Not required.· **Body protection:** Protective work clothing

9 Physical and chemical properties

· **9.1. Information on basic physical and chemical properties**· **General Information**· **Appearance:****Form:**

Solid

Color:

Beige

· **Odor:**

Weak, characteristic

· **Odor threshold:**

Not determined.

· **pH-value:**

Not applicable

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- **Change in condition**
 - Melting point/Melting range:** 115 °C (239 °F)
 - Boiling point/Boiling range:** >350 °C (>662 °F)
 - Softening temperature / range:** 105 +/- 5 °C (41 °F)
- **Flash Point:** Not applicable.
- **Flammability (solid, gaseous):** Not determined.
- **Ignition Temperature:** Not applicable.
- **Decomposition Temperature:** Not determined.
- **Auto Igniting:** Product is not selfigniting.
- **Danger of Explosion:** Product does not present an explosion hazard.
- **Explosion Limits:**
 - Lower:** Not determined.
 - Upper:** Not determined.
- **Vapor Pressure:** Not applicable.
- **Density at 20 °C (68 °F):** ca. 1 g/cm³ (~8.35 lbs/gal)
- **Relative Density** Not determined.
- **Vapour Density** Not applicable.
- **Evaporation Rate** Not applicable.
- **Solubility in / Miscibility with Water:** Insoluble.
- **Partition coefficient (n-octanol/water):** Not determined.
- **Viscosity:** At room temperature: not applicable
- **9.2. Other information** No further relevant information available.

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:** To avoid thermal decomposition do not overheat.
- **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.
- **Additional information:**
When hotmelt adhesives are melted and applied, vapours are set free and an unpleasant odour can occur, even if the recommended working temperature has been observed. Moreover if the prescribed working temperature is exceeded over a longer period, harmful decomposition products can develop. Therefore measures for the elimination of the vapours have to be taken, e.g. by means of an appropriate ventilation/ exhaust device.

11 Toxicological information

- **11.1. Information on toxicological effects**
- **Acute toxicity:** Based on available data, the classification criteria are not met.
- **Primary irritant effect:**
- **on the skin:** Based on available data, the classification criteria are not met.
- **on the eye:** Based on available data, the classification criteria are not met.
- **Sensitization:** Based on available data, the classification criteria are not met.

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- **Additional toxicological information:**
- **Carcinogenic categories**
- **IARC (International Agency for Research on Cancer)**
- Wollastonit: 3
- vinyl acetate: 2B
- naphthalene: 2B
- **NTP (National Toxicology Program)**
- 91-20-3 naphthalene: R
- **OSHA-Ca (Occupational Safety & Health Administration)**
- None of the ingredients is listed.

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12 Ecological information

- **12.1. Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2. Persistence and degradability** No further relevant information available.
- **Other information:** The product is not easily biodegradable.
- **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. Other adverse effects** No further relevant information available.

13 Disposal considerations

- **13.1. Waste treatment methods**
- **Recommendation:**
Can be burned with household garbage after consulting with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations.
Smaller quantities can be disposed of with household waste.
- **Uncleaned packagings:**
- **Recommendation:**
Non contaminated packagings can be used for recycling.
Empty contaminated packagings thoroughly. Disposal must be made according to official regulations.

14 Transport information

- | | |
|--|---------------------|
| · 14.1. UN-Number | No dangerous goods. |
| · 14.2. UN proper shipping name | Not applicable |
| · 14.3. Transport hazard class(es) | Not applicable |
| · 14.4. Packing group | Not applicable |
| · 14.5. Environmental hazards: | Not applicable |
| · 14.6. Special precautions for user | Not applicable. |
| · 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | Not applicable. |

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15 Regulatory information

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

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- **SARA (Superfund Amendments and Reauthorization Act) - USA**

- **Section 355 (Extremely hazardous substances):**

None of the ingredients is listed.

- **Section 313 (Specific toxic chemical listings):**

None of the ingredients is listed.

- **TSCA (Toxic Substances Control Act) - USA (Substances not listed)**

13983-17-0 Wollastonit

- **DSL (Canadian Domestic Substance List) - Canada (Substances not listed)**

13983-17-0 Wollastonit

- **Proposition 65 - USA/California**

- **Chemicals known to cause cancer:**

None of the ingredients is listed.

- **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

- **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

- **Chemicals known to cause developmental toxicity (Prop 65):**

None of the ingredients is listed.

- **EPA (Environmental Protection Agency) - USA**

91-20-3 naphthalene: C, CBD

- **TLV (Threshold Limit Value established by ACGIH) - USA:**

108-05-4 vinyl acetate: A3

91-20-3 naphthalene: A4

- **NIOSH-Ca (National Institute for Occupational Safety and Health) - California/USA**

None of the ingredients is listed.

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

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.

- **USA: Relevant labels and warnings HAZCOM LABEL: NOT REQUIRED**

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

- **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

DOT: US Department of Transportation

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

ACGIH: American Conference of Governmental Industrial Hygienists

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)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

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PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
OSHA: Occupational Safety & Health
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit

USA