



Material Safety Data Sheet acc. to ISO/DIS 11014

Printing date 04/11/2005

Reviewed on 04/11/2005

1 Identification of substance

- **Trade name / Article No:** KLEIBERIT *Hot Melt Adhesive* **788.3**
- **Application of the substance / the preparation** Adhesives
- **Manufacturer/Supplier:**

KLEBCHEMIE	KLEIBERIT Adhesives USA Inc.
M.G.Becker GmbH & Co. KG	
Max Becker Str. 4	109-B Howie Mine Road, PO Box 1319
D - 76356 Weingarten / Baden	Waxhaw, NC 28173
Germany	USA
- **Information department:**

Phone 1-704-843-3339	.
FAX 1-704-843-4930	.
- **Emergency information:**
 - 1-800-424-9300 (CHEMTREC)
 - 1-800-451-1403 (SARA-HOTLINE)

2 Composition/Data on components

- **Chemical characterization**
- **Description:**
 - Mixture of the substances listed below with nonhazardous additions.
 - Mixture of synthetic resins
- **Dangerous components:**

CAS NO.	Description	Void	%

3 Hazards identification

- **Hazard description:** Not applicable.
- **Information pertaining to particular dangers for man and environment:** Not applicable.
- **NFPA ratings (scale 0 - 4) - USA**

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

Health	= 0
Fire	= 1
Reactivity	= 0

4 First aid measures

- **General information:** No special measures required.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:**
 - Generally the product does not irritate the skin.
 - After contact with the molten product, cool rapidly with cold water.
- **After eye contact:**
 - Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** Seek medical treatment.

5 Fire fighting measures

- **Suitable extinguishing agents:**
 - CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

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- **Protective equipment:** Wear self-contained respiratory protective device.

6 Accidental release measures

- **Person-related safety precautions:** Not required.
- **Measures for environmental protection:** No special measures required.
- **Measures for cleaning/collecting:**
Allow to solidify. Pick up mechanically.
Pick up mechanically.
- **Additional information:** No dangerous substances are released.

7 Handling and storage

- **Handling:**
 - **Information for safe handling:** No special measures required.
 - **Information about protection against explosions and fires:** No special measures required.
- **Storage:**
 - **Requirements to be met by storerooms and receptacles:** No special measures required.
 - **Information about storage in one common storage facility:** Not required.
 - **Further information about storage conditions:** None.

8 Exposure controls and personal protection

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

CAS No.	Designation of material	%	Type	Value	Unit
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.					
- **Personal protective equipment:**
 - **General protective and hygienic measures:**
The usual precautionary measures for handling chemicals should be followed.
Wash hands before breaks and at the end of work.
 - **Breathing equipment:** Not required.
 - **Protection of hands:** Heat resistant gloves
 - **Eye protection:** Safety glasses

9 Physical and chemical properties

- **General Information**
 - **Form:** Solid
 - **Color:** Different according to coloring
According to product specification
 - **Odor:** Weak, characteristic
- **Change in condition**
 - **Boiling point/Boiling range:** Undetermined.
 - **Fusion temperature / range:** 85°C (185°F)
- **Flash point:** Not applicable.
- **Auto igniting:** Product is not selfigniting.
- **Danger of explosion:** Product does not present an explosion hazard.
- **Density at 20°C (68°F):** 1.16 g/cm³
- **Solubility in / Miscibility with**
 - **Water:** Insoluble.

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· Organic solvents: 0.0 %

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10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** To avoid thermal decomposition do not overheat.
- **Dangerous reactions** No dangerous reactions known.
- **Dangerous products of decomposition:** No dangerous decomposition products known.
- **Additional information:**
When hot melt 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. Precautions should be taken to eliminate the vapours, e.g. by using a suitable ventilation system.
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

- **Acute toxicity:**
 - **Primary irritant effect:**
 - **on the skin:** No irritant effect.
 - **on the eye:** No irritating effect.
 - **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**
The product is not subject to classification according to internally approved calculation methods for preparations:
When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

12 Ecological information

- **Information about elimination (persistence and degradability):**
 - **Other information:** The product is difficultly biodegradable.
- **General notes:** Generally not hazardous for water

13 Disposal considerations

- **Recommendation:**
On the basis of the necessary technical regulations and after consultation with the disposal agent and the relevant authorities, can be disposed of with domestic waste or incinerated with domestic waste.
- **Uncleaned packagings:**
 - **Recommendation:**
Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning.

14 Transport information

Not applicable.

- **Maritime transport IMDG:**
 - **Marine pollutant:** No

15 Regulations

- **Sara**
- **Section 355 (extremely hazardous substances):**

None of the ingredient is listed.

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

None of the ingredients is listed.

- **TSCA (Toxic Substances Control Act):**

All ingredients are listed.

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- **Proposition 65**

- **Chemicals known to cause cancer:**

None of the ingredients is listed.

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

None of the ingredients is listed.

- **Carcerogenity categories**

- **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

- **IARC (International Agency for Research on Cancer)**

Group 3: Not classifiable as to carcinogenicity to humans
(Vol. 19, Suppl. 7, Vol. 71; 1999)

- **NTP (National Toxicology Program)**

None of the ingredients is listed.

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

None of the ingredients is listed.

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

None of the ingredients is listed.

- **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

- **Product related hazard informations:**

Observe the general safety regulations when handling chemicals.

The product is not subject to identification regulations according to directives on hazardous materials.

- **National regulations:**

- **VOC - Volatile Organic Compounds**

- **US (40CFR part59) VOC: content [g / L] solid, 0 g / L**

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.

- **Department issuing MSDS:** Quality, Safety, Environment

- **Contact:** Dr. Wolfgang Stüber