



# Material Safety Data Sheet

acc. to ISO/DIS 11014

Printing date 10/16/2002

Reviewed on 10/16/2002

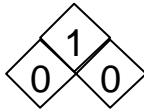
## 1 Identification of substance

- **Trade name / Article No:** KLEIBERIT Wrapping Hot Melt Adhesive **743.7**
  - **Manufacturer/Supplier:**  
KLEBCHEMIE  
M.G.Becker GmbH & Co. KG  
Max Becker Str. 4  
D - 76356 Weingarten / Baden  
Germany
  - **Information department:**  
Phone 1-704-708-5312  
FAX 1-704-708-5314
  - **Emergency information:**  
1-800-424-9300 (CHEMTREC)  
1-800-451-1403 (SARA-HOTLINE)
- KLEIBERIT Adhesives USA  
Inc.  
Crown Point Executive Drive, Suite 100  
Charlotte, NC 28227  
USA

## 2 Composition/Data on components

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

## 3 Hazards identification

- **Hazard description:** Not applicable.
- **Information pertaining to particular dangers for man and environment:** Not applicable.
- **Classification system:**  
The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.
  - **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.

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### 5 Fire fighting measures

- **Suitable extinguishing agents:**  
CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards caused by the material, its products of combustion or resulting gases:**  
Acetic Acid
- **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.
  - **Class according to regulation on flammable liquids:** Void

### 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:** Goggles recommended during refilling.

### 9 Physical and chemical properties

- **Form:** Solid
- **Color:** Light brown
- **Odor:** Weak, characteristic

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- **Change in condition**
  - **Boiling point/Boiling range:** Undetermined.
  - **Fusion temperature / range:** 95°C (203°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):** 1.05 g/cm<sup>3</sup>
- **Solubility in / Miscibility with**
  - **Water:** Insoluble.
  - **Organic solvents:** 0.0 %

## 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:** Smaller quantities can be disposed of with household waste.
- **Uncleaned packagings:**
  - **Recommendation:** Disposal must be made according to official regulations.

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## 14 Transport information

Not applicable.

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

## 15 Regulations

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

All ingredients are listed.

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

All ingredients are listed.

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

All ingredients are listed.

- **Proposition 65**
  - **Chemicals known to cause cancer:**

All ingredients are listed.

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

All ingredients are listed.

- **Carcinogeny categories**
  - **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

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

None of the ingredients is listed.

- **NTP (National Toxicology Program)**

None of the ingredients is listed.

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

None of the ingredients is listed.

- **MAK (German Maximum Workplace Concentration)**

None of the ingredients is listed.

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

All ingredients are listed.

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

All ingredients are 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:**
  - **Classification according to VbF:** Void

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## 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
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