

**Safety data sheet**
according to 1907/2006/EC, Article 31

Printing date 27.07.2011

Version-No. 1

Revision: 27.07.2011

1 Identification of the substance/mixture and of the company/undertaking· **Product identifier**

- **Trade name / Article-No:** KLEIBERIT *Hot Melt Adhesive 774.4*
- **Relevant identified uses of the substance / mixture or uses advised against**
 - **Application of the substance / the preparation** Adhesives

· **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:**

- **Telefon:** +49-(0)7244-62-0
- **FAX:** +49-(0)7244-700-0
- **Emergency telephone number:** hse@kleiberit.com

2 Hazards identification· **Classification of the substance or mixture**

- **Classification according to Regulation (EC) No 1272/2008 - GHS/CLP**
The product is not classified according to the CLP regulation.

- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC** Not applicable.

· **Label elements**· **Labelling according to Directive 67/548/EEC or Directive 1999/45/EC**

Observe the general safety regulations when handling chemicals.

The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials (German GefStoffV).

· **Other hazards**· **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3 Composition/information on ingredients· **Chemical characterization: Mixtures**· **Description:**Mixture of substances listed below with nonhazardous additions.
ethylene vinylacetate copolymer mixture· **Dangerous components:**

CAS NO.	Description	Index	R-phrases	Void	%

4 First aid measures· **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:**
Generally the product does not irritate the skin.

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After contact with the molten product, cool rapidly with cold water.
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:** Seek medical treatment.

5 Firefighting measures

- **Extinguishing media**
 - **Suitable extinguishing agents:**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Advice for firefighters**
 - **Protective equipment:** Wear self-contained respiratory protective device.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Not required.
- **Environmental precautions:** No special measures required.
- **Methods and material for containment and cleaning up:** Allow to solidify. Pick up mechanically.
- **Reference to other sections** No dangerous substances are released.

7 Handling and storage

- **Handling:**
 - **Precautions for safe handling**
Any unavoidable deposit of dust must be regularly removed.
Use appropriate industrial vacuum cleaners or central vacuum systems for dust removal.
>> Protect against electrostatic charges. <<
 - **Information about fire - and explosion protection:**
Dust can combine with air to form an explosive mixture.
- **Conditions for safe storage, including any incompatibilities**
 - **Storage:**
 - **Requirements to be met by storerooms and receptacles:** No special measures required.
 - **Further information about storage conditions:** None.
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Control parameters**
 - **Ingredients with limit values that require monitoring 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.					
- **Exposure controls**
 - **Personal protective equipment:**
 - **General protective and hygienic measures:**
The usual precautionary measures are to be adhered to when handling chemicals.
Wash hands before breaks and at the end of work.
 - **Respiratory protection:** Not required.
 - **Protection of hands:** Heat resistant gloves
 - **Eye protection:** Safety glasses

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9 Physical and chemical properties

- Information on basic physical and chemical properties

- General Information

- Appearance:

- Form: Solid
- Colour: Different according to colouring
- Odour: Weak, characteristic

- pH-value: Not applicable

- Change in condition

- Boiling point/Boiling range: Undetermined.
- Fusion temperature / range: 105°C

- Flash point: Not applicable.

- Self-igniting: Product is not selfigniting.

- Danger of explosion: Product does not present an explosion hazard.

- Explosion limits:

- Lower: Not applicable
- Oxidizing properties: None

- Vapour pressure: Not determined

- Density at 20°C: ca. 1,4 g/cm³

- Solubility in / Miscibility with

- water: Insoluble.

10 Stability and reactivity

- Reactivity

- Chemical stability

- Thermal decomposition / conditions to be avoided: To avoid thermal decomposition do not overheat.

- Possibility of hazardous reactions: No dangerous reactions known.

- Hazardous decomposition products: 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

- Information on toxicological effects

- 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 the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

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12 Ecological information

- **Toxicity**
 - **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability**
 - **Other information:** The product is difficultly biodegradable.
- **Additional ecological information:**
 - **General notes:** Generally not hazardous for water
- **Results of PBT and vPvB assessment**
 - **PBT:** Not applicable.
 - **vPvB:** Not applicable.

13 Disposal considerations

- **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.
 - **European waste catalogue**
08 04 10 waste adhesives and sealants other than those mentioned in 08 04 09
15 01 01 paper and cardboard packaging
15 01 02 plastic packaging
- **Uncleaned packaging:**
 - **Recommendation:** Non contaminated packagings may be recycled.

14 Transport information

- **DOT-Regulations:**
 - **Hazard class:** No dangerous good
- **Land transport ADR/RID (cross-border)**
 - **ADR/RID class:** No dangerous good
- **Maritime transport IMDG:**
 - **IMDG Class:** No dangerous good
 - **Marine pollutant:** No
- **Air transport ICAO-TI and IATA-DGR:**
 - **ICAO/IATA Class:** No dangerous good
- **Special precautions for user** Not applicable.

15 Regulatory information

- **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.

- **Department issuing MSDS:** Safety & Environment
- **Contact:** Dr. Wolfgang Stüber
 - **Abbreviations and acronyms:**
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transportation
IATA: International Air Transport Association
IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
ICAO: International Civil Aviation Organization
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)

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GHS: Globally Harmonized System of Classification and Labelling of Chemicals
CAS: Chemical Abstracts Service (division of the American Chemical Society)

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· * **Data compared to the previous version altered.**

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