



Material Safety Data Sheet According to 91/155 EC

Printing date 02.03.2004

Reviewed on 02.03.2004

1 Identification of the substance/preparation and of the company/undertaking

· Trade name / Article-No: **KLEIBERIT *One component PUR Adhesive (parquet) 567*** 567.0

· Application of the substance / the preparation Adhesives

· Manufacturer/Supplier:

KLEBCHEMIE

M.G.Becker GmbH & Co. KG

Max Becker Str. 4

D - 76356 Weingarten / Baden

KLEIBERIT Adhesives Australia

P.O. Box 545

Balgowlah NSW 2093

Germany

Australia

· Further information obtainable from:

Phone +61-2-96 66 69 11

2 Composition/information on ingredients

· Chemical characterization

· Description: Mixture of substances listed below with nonhazardous additions.

· Dangerous components:

CAS NO.	Description	%	Index	R-phrases
101-68-8	diphenylmethane-4,4'-diisocyanate			5-10%
	Xn; R 20-36/37/38-42/43			

3 Hazards identification

· Hazard description:

Xn Harmful

· Information concerning particular hazards for human and environment:

R 42/43 May cause sensitisation by inhalation and skin contact.

Contains isocyanates. See information supplied by the manufacturer

4 First-aid measures

· General information: No special measures required.

· 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. Then consult a doctor.

· After swallowing: Do not induce vomiting; call for medical help immediately.

5 Fire-fighting measures

· Suitable extinguishing agents: Use fire extinguishing methods suitable to surrounding conditions.

· Special hazards caused by the substance, its products of combustion or resulting gases:

Formation of toxic gases is possible during heating or in case of fire.

Nitrogen oxides (NOx)

Isocyanates

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

6 Accidental release measures

· Person-related safety precautions: Wear protective clothing.

· Measures for environmental protection: Prevent seepage into sewage system, workpits and cellars.

· Measures for cleaning/collecting:

Pick up mechanically.

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

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7 Handling and storage

- **Handling:**
 - **Information for safe handling:** Ensure good ventilation/exhaustion at the workplace.
 - **Information about fire - and explosion protection:** No special measures required.
 - **Storage:**
 - **Requirements to be met by storerooms and receptacles:** Store only in unopened original receptacles.
 - **Information about storage in one common storage facility:** Not required.
 - **Further information about storage conditions:** Protect from humidity and water.
-

8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Ingredients with limit values that require monitoring at the workplace:**
 - **CAS No. Designation of material % Type Value Unit**

64742-47-8 Distillates (petroleum), hydrotreated light

TLV (USA) 200 mg/m³
As total hydrocarbon vapor; Skin; (P)

101-68-8 diphenylmethane-4,4'-diisocyanate

MEL (Great Britain) Short-term value: 0.07 mg/m³
Long-term value: 0.02 mg/m³
Sen; as -NCO

PEL (USA) Short-term value: C 0.2 mg/m³, C 0.02 ml/m³

REL (USA) Short-term value: C 0.2* mg/m³, C 0.02* ml/m³
Long-term value: 0.05 mg/m³, 0.005 ml/m³
*10-min

TLV (USA) 0.051 mg/m³, 0.005 ml/m³

- **Additional information:** The lists valid during the making were used as basis.

- **Personal protective equipment:**

- **General protective and hygienic measures:**
 - Keep away from foodstuffs, beverages and feed.
 - Immediately remove all soiled and contaminated clothing
 - Wash hands before breaks and at the end of work.
 - Avoid contact with the eyes and skin.
 - **Respiratory protection:** Not necessary if room is well-ventilated.
 - **Protection of hands:** Protective gloves
 - **Material of gloves**
 - Nitrile rubber, NBR
 - Chloroprene rubber, CR
 - PVC gloves
 - Recommended thickness of the material: >= 0.5 mm
 - **Eye protection:** Tightly sealed goggles
-

9 Physical and chemical properties

- **General Information**

- **Form:** Pasty
- **Colour:** Beige
- **Odour:** Weak, characteristic

- **Change in condition**

- **Boiling point/Boiling range:** >200°C
- **Flash point:** >70°C
- **Ignition temperature:** >200°C

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- **Danger of explosion:** Product does not present an explosion hazard.
- **Density at 20°C:** 1.28 g/cm³
- **Solubility in / Miscibility with water:** Not miscible or difficult to mix.
- **Viscosity:**
- **Dynamic at 20°C:** 50000 mPas

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Dangerous reactions** No dangerous reactions known.
- **Dangerous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Acute toxicity:**
- **LD/LC50 values relevant for classification:**
- 101-68-8 diphenylmethane-4,4'-diisocyanate**
- Oral LD50 15000 mg/kg (rat)
- **Primary irritant effect:**
- **on the skin:** Irritant to skin and mucous membranes.
- **on the eye:** Irritating effect.
- **Sensitization:**
- Sensitization possible through inhalation.
- Sensitization possible through skin contact.

12 Ecological information

- **General notes:**
- Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
- Do not allow product to reach ground water, water course or sewage system.

13 Disposal considerations

- **Recommendation**
- After prior treatment product has to be disposed of in an incinerator for hazardous waste adhering to the regulations pertaining to the disposal of particularly hazardous waste.
- **European waste catalogue**
- 08 04 09 waste adhesives and sealants containing organic solvents or other dangerous substances
- 08 05 01 waste isocyanates
- **Uncleaned packaging:**
- **Recommendation:**
- Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.

14 Transport information

- Not applicable.
- **Land transport ADR/RID (cross-border)**
- **ADR/RID class:** -
- **Maritime transport IMDG:**
- **Marine pollutant:** No

15 Regulatory information

- **Labelling according to EU guidelines:**
- The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

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· Code letter and hazard designation of product:

Xn Harmful

· Hazard-determining components of labelling:

diphenylmethane-4,4'-diisocyanate

· Risk phrases:

42/43 May cause sensitisation by inhalation and skin contact.

· Safety phrases:

23 Do not breathe fumes.

24 Avoid contact with skin.

37 Wear suitable gloves.

45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

· Special labelling of certain preparations:

Contains isocyanates. See information supplied by the manufacturer

· National regulations:**· Waterhazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.

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.

· Relevant R-phrases

20 Harmful by inhalation.

36/37/38 Irritating to eyes, respiratory system and skin.

42/43 May cause sensitisation by inhalation and skin contact.

· Department issuing MSDS: Quality, Safety, Environment**· Contact:** Dr. Wolfgang Stüber

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