



Safety Data Sheet according to (EC) No 1907/2006 - ISO 11014-1

Page 1 of 6

Ponal Construct PU-Klebstoff (Kartusche)

SDS no. : 49052
V002.4

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

Trade name:

Ponal Construct PU-Klebstoff (Kartusche)

Intended use:

Wood adhesives

Company name:

Henkel AG & Co. KGaA
Henkelstr. 67
40191 Düsseldorf

Germany

Phone: +49 (211) 797-0

E-mail address of person responsible for Safety Data Sheet:

ua-productsafety.de@henkel.com

Emergency information:

The Henkel information service also provides an around-the-clock telephone service on phone no.++49-(0)211-797-3350 for exceptional cases.

2. Hazards identification

The product is classified as hazardous within the meaning of the valid (EU) preparation guideline.

Xn - Harmful

R36/37/38 Irritating to eyes, respiratory system and skin.

R42/43 May cause sensitization by inhalation and skin contact.

Persons suffering from allergic reactions to isocyanates should avoid contact with the product.

3. Composition / information on ingredients

General chemical description:

1-Component PU adhesive

Base substances of preparation:

Polyurethane prepolymer with free 4,4'-methylenediphenyl diisocyanate (MDI)

Declaration of ingredients according to EC/1907/2006:

Hazardous components CAS-No.	EINECS ELINCS	content	Classification
4,4'-Methylenediphenyl diisocyanate 101-68-8	202-966-0	< 25 %	Xn - Harmful; R20 Xi - Irritant; R36/37/38 R42/43

For full text of the R-Phrases indicated by codes see section 16 'Other Information'.

Substances without classification may have community workplace exposure limits available.

4. First aid measures

General information:

In case of adverse health effects seek medical advice.

Inhalation:

Move to fresh air, consult doctor if complaint persist.

Skin contact:

Wipe off affected skin area immediately with a soft cloth and then remove residues with vegetable oil; apply skin care product. Cured product can be removed only mechanically.

Eye contact:

Immediately flush eyes with water, put on a bandage with sterile gauze, see an oculist.

Ingestion:

Rinse mouth and throat. Drink 1-2 glasses of water. Seek medical advice.

5. Fire fighting measures

Suitable extinguishing media:

Carbon dioxide.
extinguishing powder
Sand
Powder

Extinguishing media which must not be used for safety reasons:

Water

Special protection equipment for firefighters:

Wear protective equipment.
Wear self-contained breathing apparatus.

Special hazards by the product itself:

In the event of a fire, carbon monoxide (CO), carbon dioxide (CO₂) and nitrogen oxides (NO_x) can be released.

Additional information:

Do not breathe combustion gases.

6. Accidental release measures

Personal precautions:

Ensure adequate ventilation.
Avoid contact with skin and eyes.

Environmental precautions:

Do not empty into drains / surface water / ground water.

Clean-up methods:

Remove mechanically.
Dispose of contaminated material as waste according to item 13.

7. Handling and storage

Handling:

Open and handle container with care.
Avoid contact with water.

Storage:

- Store in sealed original container protected against moisture.
- Keep container tightly sealed.
- Store dry at between +5 and +40°C.
- Do not store together with oxidants.
- Do not store together with food or other consumables (coffee, tea, tobacco, etc.).

8. Exposure controls / personal protection**Components with specific control parameters for workplace:**

- Valid for
 - Germany
- Basis
 - Germany - Occupational Exposure Limits

Ingredient	ppm	mg/m ³	Type	Category	Remarks
4,4'- METHYLENDIPHENYLDIISOCYANAT, SUMME AUS DAMPF UND AEROSOLEN 101-68-8		0,05	Occupational Exposure Limit (OEL).	=2=	TRGS 900
4,4'- METHYLENDIPHENYLDIISOCYANAT, SUMME AUS DAMPF UND AEROSOLEN 101-68-8			STEL factor	1 Substance listed with both Peak factor and STEL factor. The Peak factor is supplied with the AGW values.	TRGS 900
4,4'- METHYLENDIPHENYLDIISOCYANAT, SUMME AUS DAMPF UND AEROSOLEN 101-68-8			Short Term Exposure Classification.	Category I: substances for which the localized effect has an assigned OEL or for substances with a sensitizing effect in respiratory passages.	TRGS 900
4,4'- METHYLENDIPHENYLDIISOCYANAT, SUMME AUS DAMPF UND AEROSOLEN 101-68-8				Listed.	TRGS 900

Engineering controls:

- Ensure good ventilation/extraction.

Respiratory protection:

- When processing large amounts.
- Suitable breathing mask when there is inadequate ventilation.
- Filter A1-A3 (brown)

Hand protection:

- For shorttime contact (e.g. as protection against splashes) protective gloves made from nitrile rubber are recommended according to EN 374.
- material thickness > 0.4 mm
- Perforation time > 240 minutes
- In the case of longer and repeated contact please note that in practice the penetration times may be considerably shorter than those determined according to EN 374. The protective gloves must always be checked for their suitability for use at the specific workplace (e.g. mechanical and thermal stress, product compatibility, antistatic effects, etc.). The gloves must be replaced immediately at the first signs of wear and tear. The information provided by the manufacturers and given in the relevant trade association regulations for industrial safety must always be observed. We recommend that a hand care plan is drawn up in cooperation with a glove manufacturer and the trade association in accordance with the local operating conditions.

Eye protection:

- Goggles which can be tightly sealed.

Skin protection:

- suitable protective clothing

General protection and hygiene measures:

- Do not eat, drink or smoke while working.
- Wash hands before work breaks and after finishing work.
- When using the product avoid alcohol consumption.

9. Physical and chemical properties

General characteristics:

Appearance	liquid pasty Whitish, opaque
Odor:	little intrinsic odour

Phys./chem. properties:

Flash point	not applicable
Vapor pressure (20 °C (68 °F); highest partial vapor pressure)	0,0004 mbar
Density (20 °C (68 °F))	1,15 - 1,18 g/cm ³
Viscosity (dynamic) (Brookfield; 20 °C (68 °F))	100.000 - 150.000 mPas
Solubility (qualitative) (20 °C (68 °F); Solvent: Water)	Reacts with water: generation of heat.

10. Stability and reactivity

Conditions to avoid:

- No decomposition if used according to specifications.

Materials to avoid:

- Reacts with water: Pressure built up in closed vessel (CO₂).
- Reacts with amines, alcohols, acids and alkalis.
- Reaction with oxidants.

Hazardous decomposition products:

- None known

11. Toxicological information

General toxicological information:

- Cross-reactions with other isocyanate compounds are possible.

Inhalative toxicity:

- Irritating to respiratory system
- In the event of protracted or repeated exposure, damage to health cannot be excluded.

Skin irritation:

- Primary skin irritation: irritating

Eye irritation:

- Primary eye irritation: irritating

Sensitizing:

- May cause sensitization by inhalation.
- May cause sensitization by skin contact.

12. Ecological information

Persistence and degradability:

Ultimate biodegradation:

The product is poorly biodegradable.

General ecological information:

Do not empty into drains, soil or bodies of water.

13. Disposal considerations

Product disposal:

Waste incineration or treatment plant with the approval of the responsible local authority.

Small amounts of cured or dried product residues can be disposed of as household waste or as industrial waste similar to household waste.

The valid EEC waste code numbers are not product-related but are largely source-related. The manufacturer is therefore unable to specify EEC waste codes for the articles or products used in the various sectors. These can be requested from the manufacturer.

Disposal of uncleaned packages:

Use packages for recycling only when totally empty.

14. Transport information

General information:

Not hazardous according to RID, ADR, ADNR, IMDG, IATA-DGR.

15. Regulations - classification and identification

Indication of danger:

Xn - Harmful



Contains

4,4'-Methylenediphenyl diisocyanate

Risk phrases:

R36/37/38 Irritating to eyes, respiratory system and skin.

R42/43 May cause sensitization by inhalation and skin contact.

Safety phrases:

S2 Keep out of the reach of children.

S23 Do not breathe vapour.

S36/37 Wear suitable protective clothing and gloves.

S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

S46 If swallowed, seek medical advice immediately and show this container or label.

S51 Use only in well-ventilated areas.

Additional labeling:

Contains isocyanates. See information supplied by the manufacturer.

National regulations/information (Germany):

WGK:	1, slightly water-endangering product. (German VwVwS of May 17, 1999) Classification in conformity with the calculation method
Storage class VCI:	10

16. Other information

The labelling of the product is indicated in Section 15. The full text of the R-phrases indicated by codes in this safety data sheet are as follows:

R20 Harmful by inhalation.

R36/37/38 Irritating to eyes, respiratory system and skin.

R42/43 May cause sensitization by inhalation and skin contact.

Further information:

This information is based on our current level of knowledge and relates to the product in the state in which it is delivered. It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties.