



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

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Purmelt RS 270/7

sds no. : 189396
V002.0

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

Trade name:

Purmelt RS 270/7

Intended use:

Assembly and laminating adhesive for general, woodworking and footwear industry

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 directive.

Xn - Harmful

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 isocyanate groups

Declaration of ingredients according to (EC) No 1907/2006:

Hazardous components CAS-No.	EINECS ELINCS	content	Classification
4,4'- methylenediphenyl diisocyanate 101-68-8	202-966-0	1 - 3 %	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:

If adverse health effects develop seek medical attention.

Inhalation:

Move to fresh air, consult doctor if complaint persists.

Skin contact:

Molten product. After skin contact cool down immediately with cold water. Do not remove adherent product. Seek medical advice.

Eye contact:

After contact with the hot melt: cool with water, seek medical attention.

Ingestion:

Rinse mouth, drink 1-2 glasses of water, do not induce vomiting, consult a doctor.

5. Fire fighting measures

Suitable extinguishing media:

All common extinguishing agents are suitable.

Extinguishing media which must not be used for safety reasons:

High pressure waterjet

Special protection equipment for firefighters:

Wear protective equipment.

Wear self-contained breathing apparatus.

Hazardous combustion products:

carbon oxides., Isocyanate vapors

6. Accidental release measures

Personal precautions:

Wear protective equipment.

Avoid contact with skin and eyes.

See advice in chapter 8

Environmental precautions:

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

Clean-up methods:

Allow to solidify.

Remove mechanically.

Dispose of contaminated material as waste according to item 13.

7. Handling and storage

Storage:

Store in sealed original container protected against moisture.

Ensure good ventilation/extraction.

Storage at 5 to 25°C is recommended.

8. Exposure controls / personal protection

Components with specific control parameters for workplace:

Valid for

Germany

Basis

Germany - Occupational Exposure Limits

Ingredient	ppm	mg/m3	Type	Category	Remarks
4,4'-METHYLENDIPHENYLDIISOCYANAT, SUMME AUS DAMPF UND AEROSOLEN 101-68-8				Listed.	TRGS 900
4,4'-Methylenediphenyl diisocyanate 101-68-8		0,05	Occupational Exposure Limit (OEL).	=2=	TRGS 900
4,4'-Methylenediphenyl diisocyanate 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'-Methylenediphenyl diisocyanate 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

Engineering controls:

Use only in well ventilated areas.

Respiratory protection:

Suitable breathing mask when there is inadequate ventilation.

Hand protection:

Wear refractive gloves while working with the hot melt.

Eye protection:

Goggles which can be tightly sealed.

Skin protection:

Wear protective equipment.

Protective clothing that covers arms and legs.

General protection and hygiene measures:

Do not eat, drink or smoke while working.

Wash hands before work breaks and after finishing work.

9. Physical and chemical properties

General characteristics:

Appearance	granulate solid Ivory
Odor:	Characteristic

Phys./chem. properties:

Flash point	> 200 °C (> 392 °F)
Density (20 °C (68 °F))	1,25 - 1,35 g/cm ³
Viscosity (dynamic) (Brookfield; Instrument: RVT; 150 °C (302 °F); speed of rotation: 10 min-1; Spindle No: 28)	28.000 - 38.000 mPa.s
Solubility (qualitative) (Solvent: Water)	Insoluble

Softening point/range	58 - 62 °C (136.4 - 143.6 °F)
Ignition temperature	> 500 °C (> 932 °F)
VOC content (VOCV 814.018 VOC regulation CH)	0,00 %

10. Stability and reactivity

Conditions to avoid:

No decomposition if used according to specifications.

Materials to avoid:

Reaction with water, alcohols, amines.
Reacts with water: Pressure built up in closed vessel (CO₂).

Hazardous decomposition products:

At higher temperatures isocyanate may be released.
No decomposition if used according to specifications.

11. Toxicological information

General toxicological information:

The present product is a chemical preparation within the meaning of the chemicals act. The following evaluation has been made on the basis of the toxicological data and content by weight of the individual ingredients.
Persons suffering from allergic reactions to isocyanates should avoid contact with the product.

Sensitizing:

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

12. Ecological information

General ecological information:

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

13. Disposal considerations

Product disposal:

The valid EEC waste code numbers are not product-related but are largely source-related. These can be requested from the manufacturer.

In consultation with the responsible local authority, must be subjected to special treatment.

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:

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

Safety phrases:

S23 Do not breathe vapour/spray.

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).

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

BG regulations, rules, infos:

BG data sheet: BGI 524 Hazardous substances: polyurethane production and processing / isocyanates (M 044)

Storage class VCI:

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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.