



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

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Macroplast QR 3450-22

sds no. : 44354  
V003.0

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

**Trade name:**

Macroplast QR 3450-22

**Intended use:**

Assembly and laminating adhesive for general, woodworking and footwear industry

**Company name:**

Henkel AG & Co. KGaA  
Henkelstr. 67  
40589 Düsseldorf

Germany

Phone: +49 (211) 797 0  
Fax-no.: +49 (211) 798 4008

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

ua-productsafety.uk@uk.henkel.com

**Emergency information:**

24 Hours Emergency Tel: +44 (0)1442 278497

### 2. Hazards identification

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

Xn - Harmful

R40 Limited evidence of a carcinogenic effect.

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 %	Xi - Irritant; R36/37/38 R42/43 carcinogenic, category 3; R40 Xn - Harmful; R20, R48/20

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

**Inhalation:**

Fresh air, oxygen supply, warmth; seek specialist medical attention.

**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 self-contained breathing apparatus.

Wear protective equipment.

**Hazardous combustion products:**

carbon oxides., Nitrous gases

#### 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

**Handling:**

Keep container tightly sealed.

**Storage:**

Store in sealed original container protected against moisture.  
Store in a cool place in closed original container.

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

Valid for  
Great Britain  
Basis  
UK EH40 WELs

Ingredient	ppm	mg/m3	Type	Category	Remarks
ISOCYANATES, ALL (AS -NCO) 101-68-8		0,07	Short Term Exposure Limit (STEL):		EH40 WEL
ISOCYANATES, ALL (AS -NCO) 101-68-8		0,02	Time Weighted Average (TWA).		EH40 WEL

**Engineering controls:**

Ensure good ventilation/extraction.

**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.

**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: solid material  
solid  
beige  
Odor: characteristic

**Phys./chem. properties:**

Flash point: > 200 °C (> 392 °F)  
Density: 1,15 - 1,25 g/cm3  
(20 °C (68 °F))  
Viscosity (dynamic): 5.000 - 8.500 mPa.s  
(Brookfield; 130 °C (266 °F); speed of rotation:  
10 min-1; Spindle No: 27)  
Solubility (qualitative): Insoluble  
(20 °C (68 °F); Solvent: Water)  
VOC content: 0,00 %  
(VOCV 814.018 VOC regulation CH)

**10. Stability and reactivity****Conditions to avoid:**

No decomposition if used according to specifications.

**Materials to avoid:**

Reaction with alcohols  
Reaction with amines  
Reacts with water: generation of heat.

**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:**

R40 Limited evidence of a carcinogenic effect.  
R42/43 May cause sensitization by inhalation and skin contact.

**Safety phrases:**

|||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).

**Additional labeling:**

Contains isocyanates. See information supplied by the manufacturer.

## 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.

R40 Limited evidence of a carcinogenic effect.

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

R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.

**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.