



# Technologies

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TEROSTAT-PU 92 GREY 570ML

MSDS-No. : 180799  
V001.1  
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## 1. Identification of the substance/preparation and of the company/undertaking

**Trade name:**

TEROSTAT-PU 92 GREY 570ML

**Intended use:**

adhesive and sealant

**Company name:**

Henkel Loctite Adhesives Ltd  
Technologies House  
Wood Lane End  
HP2 4RQ Hemel Hempstead  
Phone: +44 (1442) 278000  
Fax-no.: +44 (1442) 278071  
Great Britain

**Emergency information:**

In case of an emergency information will be available 24h under phone +49-(0)6221-7040

**Information office (content SDS):**

Product safety / CSP, Tel: +49-(0)6221-7040 Fax: +49-(0)6221-704698

## 2. Composition / information on ingredients

**Base substances of preparation:**

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

**Declaration of ingredients according to 91/155/EC:**

Hazardous components CAS-No.	EINECS	content	Classification
Xylene - mixture of isomeres 1330-20-7	215-535-7	< 5 %	R10 Xn - Harmful; R20/21 Xi - Irritant; R38
Isoparaffins C9-12 flash point > 55°C 90622-57-4	292-459-0	< 2 %	Xn - Harmful; R65, R66
4,4'- methylenediphenyl diisocyanate 101-68-8	202-966-0	< 1 %	Xn - Harmful; R20 Xi - Irritant; R36/37/38 R42/43

## 3. Hazards identification

R42 May cause sensitization by inhalation.

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

## 4. First-aid measures

**Inhalation:**

Move to fresh air, consult doctor if complaint persist.

**Skin contact:**

Rinse with running water and soap. Apply replenishing cream. Change all contaminated clothing.

**Eye contact:**

First remove splashes carefully with eye swabs

Wash with plenty of water immediately and continue for several minutes, holding eyelid open. Consult a doctor.

**Ingestion:**

Seek medical advice immediately and show this container or label.

## 5. Fire-fighting measures

**Suitable extinguishing media:**

All common extinguishing agents are suitable.

**Special protection equipment for firefighters:**

Wear self-contained breathing apparatus.

Wear protective equipment.

**Hazardous combustion products:**

Isocyanate vapors, hydrogen chloride, Sulphur oxides, Nitrous gases

## 6. Accidental release measures

**Personal precautions:**

Avoid contact with skin and eyes.

Don't breathe vapours or aerosole.

**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:**

Ensure good ventilation/suction at the workplace.

**Storage:**

Store in sealed original container protected against moisture.

Store in a cool, dry place.

Container must be made airtight after use.

Storage at 15 to 25°C is recommended.

## 8. Exposure controls / personal protection

### Components with specific control parameters for workplace:

Valid for

Great Britain

Basis

Occupational Exposure Limits

Ingredient	ppm	mg/m <sup>3</sup>	Type	Category	Remarks
xylene 1330-20-7	50	221	Time Weighted Average (TWA).		EU-2000/39/EC
	100	442	Short Term Exposure Limit (STEL):		EU-2000/39/EC
			Skin designation.	Can be absorbed through the skin.	EU-2000/39/EC
	50	220	Time Weighted Average (TWA).		EH40 WEL
	100	441	Short Term Exposure Limit (STEL):		EH40 WEL
			Skin designation.	Can be absorbed through the skin.	EH40 WEL
			Listed.		EH40 WEL
4,4'-methylenediphenyl diisocyanate; diphenylmethane-4,4'-diisocyanate 101-68-8		0,02	Time Weighted Average (TWA).		EH40 WEL
		0,07	Short Term Exposure Limit (STEL):		EH40 WEL
				Listed.	EH40 WEL

### Respiratory protection:

Suitable breathing mask when there is inadequate ventilation.

### Hand protection:

Chemical-resistant protective gloves (EN 374). Suitable materials for short-term contact or splashes (recommended: at least protection index 2, corresponding to > 30 minutes permeation time as per EN 374): Fluorinated rubber (FKM; >= 0.7 mm thickness) Suitable materials for longer, direct contact (recommended: protection index 6, corresponding to > 480 minutes permeation time as per EN 374): Fluorinated rubber (FKM; >= 0.7 mm thickness) This information is based on literature references and on information provided by glove manufacturers, or is derived by analogy with similar substances. Please note that in practice the working life of chemical-resistant protective gloves may be considerably shorter than the permeation time determined in accordance with EN 374 as a result of the many influencing factors (e.g. temperature). If signs of wear and tear are noticed then the gloves should be replaced.

### Eye protection:

Goggles which can be tightly sealed.

### Body protection:

suitable protective clothing

### General protection and hygiene measures:

Avoid contact with skin and eyes. Remove soiled or soaked clothing immediately. Wash off any contamination that gets onto the skin with plenty of water and soap, skin care.

Do not eat, drink or smoke while working.

Wash hands before work breaks and after finishing work.

Keep away from food, beverages and animal feed.

Use only in well ventilated areas.

Ensure adequate ventilation/vacuum off.

## 9. Physical and chemical properties

Appearance	pasty grey
Odor:	of solvent
Density ( $\rho$ )	1,175 g/cm <sup>3</sup>
Solubility (qualitative)	insoluble

(Solvent: water)

Explosion limit	
lower [vol%]	0,4 % (V)
upper [vol%]	7,6 % (V)
Ignition temperature	> 200,0 °C (> 392 °F)
VOC content	6,00 %
(VOCV 814.018 VOC regulation CH)	

## 10. Stability and reactivity

### Conditions to avoid:

Humidity  
Temperatures over appr. 260 °C

### Materials to avoid:

Reacts with amines, alcohols, acids and alkalis.  
Reacts with water: Pressure built up in closed vessel (CO<sub>2</sub>).

### Hazardous decomposition products:

Carbon dioxide is generated under contact with moisture, leading to pressure in the cans. Danger of cans bursting!  
At higher temperatures isocyanate may be released.

## 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.

## 12. Ecological information

### General ecological information:

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

## 13. Disposal considerations

### Product

#### Disposal methods:

The valid EWC waste code numbers are source-related. The manufacturer is therefore unable to specify EWC waste codes for the articles or products used in the various sectors. The EWC codes listed are intended as a recommendation for users. We will be happy to advise you.

Special waste incineration or special disposal 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.

#### Waste code(EWC):

08 04 09 waste adhesives and sealants containing organic solvents and other dangerous substances  
080410 (after hardening)

## 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 May cause sensitization by inhalation.

### Safety phrases:

S23 Do not breathe vapour.

S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

S28 After contact with skin, wash immediately with plenty of water and soap.

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

### Additional labeling:

Contains isocyanates. Observe manufacturer's instructions!

### VOC Paints and Varnishes (EU):

Product (sub)category:

This product is not a subject of the Directive 2004/42/EC

## 16. Other information

Full text of the R-phrases indicated by codes in this safety data sheet. The labeling of the product is indicated in Section 15.

R10 Flammable.

R20 Harmful by inhalation.

R20/21 Harmful by inhalation and in contact with skin.

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

R38 Irritating to skin.

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

R65 Harmful: may cause lung damage if swallowed.

R66 Repeated exposure may cause skin dryness or cracking.

### 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.