



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

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TEROSTAT PU 92 BLACK 310ML

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

Trade name:

TEROSTAT PU 92 BLACK 310ML

Intended use:

1-Component sealant

Company name:

Henkel Limited
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2. Hazards identification

The product is classified as hazardous within the meaning of the valid (EU) preparation directive.
Xn - Harmful
R42 May cause sensitization by inhalation.
Persons suffering from allergic reactions to isocyanates should avoid contact with the product.

3. Composition / information on ingredients

General chemical description:

1-Component moisture-curing sealant

Base substances of preparation:

PUR polymer

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

Hazardous components CAS-No.	EINECS ELINCS	content	Classification
Xylene - mixture of isomeres 1330-20-7	215-535-7	< 5 %	Xn - Harmful; R20/21 Xi - Irritant; R38 R10
Methylenediphenyl diisocyanate 26447-40-5	247-714-0	< 0,5 %	Xn - Harmful; R20 Xi - Irritant; R36/37/38 R42/43
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
Benzene, 1,1'-methylenebis[isocyanato- , homopolymer 39310-05-9		< 0,2 %	Xn - Harmful; R20, R42/43, R48/20 carcinogenic, category 3; Xn - Harmful; R40 Xi - Irritant; R36/37/38

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.
Delayed effects possible after inhalation.

Skin contact:

Rinse with running water and soap. Apply replenishing cream. Change all contaminated clothing. If necessary, see a dermatologist.

Eye contact:

Rinse immediately with plenty of running water (for 10 minutes), seek medical attention from a specialist.

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:

Isocyanate vapors, carbon oxides.

6. Accidental release measures

Personal precautions:

Wear protective equipment.
Avoid contact with skin and eyes.
Keep unprotected persons away.
See advice in chapter 8

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:**

Avoid skin and eye contact.

Storage:

- Store in sealed original container protected against moisture.
- Ensure good ventilation/extraction.
- 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
 - 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
XYLENE, MIXED ISOMERS, PURE 1330-20-7	50	221	Time Weighted Average (TWA).		ECLTV
XYLENE, MIXED ISOMERS, PURE 1330-20-7	100	442	Short Term Exposure Limit (STEL):		ECLTV
XYLENE, MIXED ISOMERS, PURE 1330-20-7			Skin designation:	Can be absorbed through the skin.	ECLTV
XYLENE, O-, M-, P- OR MIXED ISOMERS 1330-20-7	50	220	Time Weighted Average (TWA).		EH40 WEL
XYLENE, O-, M-, P- OR MIXED ISOMERS 1330-20-7	100	441	Short Term Exposure Limit (STEL):		EH40 WEL
XYLENE, O-, M-, P- OR MIXED ISOMERS 1330-20-7			Skin designation:	Can be absorbed through the skin.	EH40 WEL
DIISONONYL PHTHALATE 28553-12-0		5	Time Weighted Average (TWA).		EH40 WEL

Engineering controls:

Ensure good ventilation/extraction.

Respiratory protection:

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

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):

nitrile rubber (IIR; ≥ 0.4 mm thickness)

Suitable materials for longer, direct contact (recommended: protection index 6, corresponding to > 480 minutes permeation time as per EN 374):

nitrile rubber (IIR; ≥ 0.4 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:

Wear tight fitting goggles.

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.

Use only personal protection that's CE-labelled according to the regulation no. 819 of 19 August 1994.

9. Physical and chemical properties

General characteristics:

Appearance	Paste pasty Black
Odor:	of solvent

Phys./chem. properties:

Vapor pressure (20 °C (68 °F))	< 100 mbar
Density (20 °C (68 °F))	1,19 g/cm ³
Solubility (qualitative) (20 °C (68 °F); Solvent: Water)	Insoluble
Explosion limit lower [vol%]	0,1 % (V)
upper [vol%]	7,6 % (V)
Ignition temperature	> 200 °C (> 392 °F)
VOC content (VOCV 814.018 VOC regulation CH)	6 %

10. Stability and reactivity

Conditions to avoid:

Avoid moisture.

Materials to avoid:

Reacts with water: Pressure built up in closed vessel (CO₂).

Reaction with water, alcohols, amines.

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.

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 May cause sensitization by inhalation.

Safety phrases:

S23 Do not breathe vapour.

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.

VOC Paints and Varnishes (EU):

Product (sub)category:

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

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:

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.

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.

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.