

Material Safety Data Sheet according to 91/155/EEC - ISO 11014-1

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TEROSTAT-1K PU 10 X200ML

SDS no. : 75671

V002.0

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

Trade name:

TEROSTAT-1K PU 10 X200ML

Intended use:

1-Component sealant

Company name:

Henkel Teroson GmbH

69112 Heidelberg

Phone: +4962217040

Fax-no.: +496221705242

Emergency information:

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

Information office (content SDS):

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

2. Composition / information on ingredients

General chemical description:

1-Component moisture-curing sealant

Base substances of preparation:

PUR polymer

Declaration of ingredients:

II	< 5 %	Xylene - mixture of isomeres
		EINECS 215-535-7
		CAS 1330-20-7
		Symbol Xn
		R-phrases R10, R20/21, R38
II	< 1 %	4,4'- methylenediphenyl diisocyanate
		EINECS 202-966-0
		CAS 101-68-8
		Symbol Xn
		R-phrases R20, R36/37/38, R42/43



Technologies
Industrial Adhesives

II	< 15 %	Naphtha, hydrotreated heavy; (petroleum)
		EINECS 265-150-3
		CAS 64742-48-9
		Symbol Xn
		R-phrases R65, R66
II	< 0,25 %	Dibutyltin dilaurate
		EINECS 201-039-8
		CAS 77-58-7
		Symbol Xn, N
		R-phrases R22, R48/22, R36/38, R50/53

3. Possible product risks

R42 May cause sensitization by inhalation.
Persons suffering from allergic reactions to isocyanates should avoid contact with the product.

4. First-aid measures

After inhalation:

Fresh air, consult doctor if complaint persist.

After skin contact:

Rinse with running water and soap.
Replace contaminated clothes.

After 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.

After 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 fire-fighters:

Wear self-contained breathing apparatus.
Wear protective equipment.

Combustion products or gases to be formed:

Isocyanate vapors

6. Accidental release measures

Personal precautions:

Wear protective equipment.
Avoid contact with skin and eyes.
Ensure adequate ventilation.
Keep unprotected persons away.



Environmental precautions:

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

Process for cleaning and take-up:

Neutralise any spillages with a mixture of alcohol, water and wetting agent, if necessary adding 1% ammonia relative to the isocyanate groups.

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 place.

Storage at 15 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/m ³	Type	Category	Remarks
4,4'-methylenediphenyl diisocyanate; diphenylmethane-4,4'-diisocyanate		0,05	Relevant German exposure-limit for working place (MAK-value)	=1=	
xylene	100	440	Relevant German exposure-limit for working place (MAK-value)	4	
xylene			Skin designation:		Can be absorbed through the skin.
xylene	50	221	Time Weighted Average (TWA).		
xylene	100	442	Short Term Exposure Limit (STEL):		
xylene			Skin designation:		Can be absorbed through the skin.
hydrocarbon mix, free of aromatics	200	1.000	Relevant German exposure-limit for working place (MAK-value)	4	

Respiratory protection:

Filter A2 is recommended in cases of prolonged exposure.

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): Isobutylene-isoprene rubber (IIR; >= 0.7 mm thickness) Suitable materials for longer, direct contact (recommended: protection index 6, corresponding to > 480 minutes permeation time as per EN 374): Isobutylene-isoprene rubber (IIR; >= 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:

||Wear tightly fitting goggles.

Body 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.
Immediately remove soiled or soaked clothing.

9. Physical and chemical properties

General characteristics

State:	pasty
Odor:	aromatic
Color(s):	white

Phys./chem. properties:

Flash point	45 °C
Density (20 °C)	1,15 g/cm ³
Indication of (Solid content)	85 %
Flow cup viscosity (23 °C; ; Nozzle: 3,5 mm)	80 - 180 s
Solubility (qualitative) (Solvent: water)	insoluble

10. Stability and reactivity

Conditions to avoid:

Temperatures over appr. 250 °C

Materials to avoid:

None if used for intended purpose.

Dangerous decomposition products:

At higher temperatures isocyanate may be released.

11. Toxicological information

General toxicological information:

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

Waste code(EWC):

080409

Product disposal:

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.

14. Transport information

General information:

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

15. Regulations - classification and identification

Symbols of danger:

Xn - Harmful

Hazard trigger:

Diphenylmethane diisocyanate 4,4'-

R-phrases

R42 May cause sensitization by inhalation.

S-phrases :

S25 Avoid contact with eyes.

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

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

Special declaration:

Contains isocyanates. Observe manufacturer's instructions!

National regulations/information:

WGK:	2, water-endangering product. (German VwVwS of May 17, 1999) Classification in conformity with the calculation method
Storage class VCI:	11
Technical regulations concerning air pollution:	4 % (Class II) 11 % (Class III)
VOCV 814.018 VOC regulation CH	15 %



16. Other information

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

R10 Flammable.

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

R38 Irritating to skin.

R20 Harmful by inhalation.

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

R22 Harmful if swallowed.

R48/22 Harmful: danger of serious damage to health by prolonged exposure if swallowed.

R36/38 Irritating to eyes and skin.

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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.

