

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

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TEROSTAT-8596 DK 310ML

SDS no. : 98148

V001.1

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

Trade name:

TEROSTAT-8596 DK 310ML

Intended use:

adhesive and sealant for direct glazing

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:

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

Declaration of ingredients:

<= 1 %	Diphenylmethane diisocyanate 4,4'-
	EINECS 202-966-0
	CAS 101-68-8
	Symbol Xn
	R-phrases R20, R36/37/38, R42/43

3. Possible product risks

R42 May cause sensitization by inhalation.

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



Technologies
Industrial Adhesives

4. First-aid measures

After inhalation:

Fresh air, consult doctor if complaint persist.

After skin contact:

Rinse with running water and soap. Skin care. Change all contaminated clothing.

After eye contact:

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:

carbon dioxide, foam, powder, water spray jet, fine water spray

Extinguishing media which must not be used for safety reasons:

High pressure waterjet

Special protection equipment for fire-fighters:

Wear self-contained breathing apparatus.

Combustion products or gases to be formed:

Isocyanate vapors

6. Accidental release measures

Personal precautions:

Ensure adequate ventilation.

Wear protective equipment.

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.

Avoid skin and eye contact.

Storage:

Store in a cool, well-ventilated place.

Container must be made airtight after use.

Storage at 15 to 20°C is recommended.



8. Exposure controls / personal protection

Components with specific control parameters for workplace:

Valid for

EEC MSDS-States

Basis

Indicative Exposure Limits (EU)

Ingredient	ppm	mg/m ³	Type	Category	Remarks
4,4'-methylenediphenyl diisocyanate; diphenylmethane-4,4'-diisocyanate		0,02	EU -Time weighted average.		
4,4'-methylenediphenyl diisocyanate; diphenylmethane-4,4'-diisocyanate		0,07	EU - Short Term Exposure Limit (STEL).		
4,4'-methylenediphenyl diisocyanate; diphenylmethane-4,4'-diisocyanate					Listed.

Respiratory protection:

Suitable breathing mask when there is inadequate ventilation.

Filter A1-A3 (brown)

Hand protection:

Use suitable protective gloves made of PVC (polyvinyl chloride). Please observe the glove manufacturer's instructions on permeability and rupture times as well as the specific workplace conditions.

Eye protection:

Wear tightly fitting goggles.

General protection and hygiene measures:

Do not eat, drink or smoke while working.

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

Ensure adequate ventilation/vacuum off.

9. Physical and chemical properties

General characteristics

State: pasty
Odor: odorless
Color(s): black

Phys./chem. properties:

Density 1,2 g/cm³
(20 °C)
Indication of 99 %
(Solid content)
Viscosity (dynamic) 4.000 pa.s
(Unknown)
Solubility (qualitative) insoluble
(Solvent: water)



10. Stability and reactivity

Conditions to avoid:

Temperatures over appr. 250 °C
Humidity

Materials to avoid:

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

Dangerous decomposition products:

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

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

Waste code(EWC):

080410 (after hardening)

Product disposal:

Small amounts of cured or dried product residues can be disposed of as household waste or as industrial waste similar to household waste.

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, GGVS/GGVE, ADNR, IMDG, ICAO-TI/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 :

S23 Do not breathe vapour.

S25 Avoid contact with eyes.

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

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

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

Special declaration:

Contains isocyanates. Observe manufacturer's instructions!

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.

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.

