



MATERIAL SAFETY DATA SHEET

for chemical substances and preparations in acc. with 91/155/EWG

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1. Name of substance/preparation and company

Trade name Terostat-9200 (1K PUR) black Article no 15895C / 332714
Manufacturer Henkel Teroson GmbH, D-69112 Heidelberg
Telephone +49 6221-704 0 **Facsimile** +49 6221-704 698
Department providing information Technical Coordination
In case of emergency **Telephone** +49 6221-704 268

2. Composition/information on constituents

Chemical description

Sealant based on polyurethane (MDI)

Hazardous constituents

<u>CAS-No.</u>	<u>description</u>	<u>% b.w.</u>	<u>symbol(s)</u>	<u>R-phrases</u>
101-68-8	4,4-methylenediphenyl diisocyanate	<1	Xn	20-36/37/38-42/43
1330-20-7	xylene	<5	Xn	10-20/21-38
64742-48-9	aliphatic hydrocarbon	<10	Xn	65-66

The full text of the R-phrases indicated by codes in this section are shown in section 16

3. Possible Hazards

R.42 May cause sensitization by inhalation.
Manifestations of allergy possible with persons already sensitized.

4. First Aid Measures

Inhalation: Fresh air. At continuous discomfort get medical attention.
Contact with eyes: Wash with plenty of water immediately and continue for several minutes, holding eyelid open.
Consult a doctor.
Contact with skin: Change clothing. Wash skin carefully with soap and water.
If swallowed: Seek medical advice, symptomatic treatment. If possible provide this information or the product label.

5. Actions in case of fire

Extinguishing media Suitable: carbon dioxide, foam, dry powder, water spray.
Do not use: Solid water jet.
In case of fire the following decomposition products may be formed: isocyanates (NCO)



6. Actions in case of unintentional release

Personal precautions: Keep away unprotected persons.
Environmental precautions: Do not allow to enter drainage system, surface or ground water
Methods of removing: Neutralize any spillages with water spray. See also information on disposal.

7. Handling and Storage

Handling

Provide good ventilation. Avoid contact with eyes and skin. Keep an eyepiece washing bottle at the working place.

Storage

Store at a cool place. Container must be stored airtight after use. Storage at 15 to 25 °C is recommended.

8. Maximum exposure limits and personal protection equipment

Exposure limits of single constituents:

<u>CAS-No.</u>	<u>description</u>	<u>TLV / ppm (acc. to German regulation)</u>
101-68-8	4,4-methylenediphenyl diisocyanate	0.005
1330-20-7	xylene	100
64742-48-9	aliphatic hydrocarbon	200

Breathing protection: Wear mask if ventilation is inadequate.
Eye protection: Wear safety glasses with side protectors when using relatively large quantities.
skin protection: Wear protective gloves.

S.20/21 When using do not eat, drink or smoke. S.27 Take off immediately all contaminated clothes. Wash hands with soap and water on completion of work and before breaks. Use a skin cream.

9. Physical and chemical properties

form	paste	colour	black	odour	characteristic
change of state					not recorded
flashpoint					not applicable
ignition temperature					not recorded
explosion limits					not applicable
vapour pressure					not applicable
density		at 20 °C			1,200 g/ml
solubility		at 20 °C			insoluble in water
pH-value					not applicable
viscosity					not recorded
additional information					not recorded



10. Stability and reactivity

Thermal decomposition	None if used according to instructions
Hazardous decomposition products	Carbon dioxide is generated under contact with moisture, leading to pressure in the cans. Danger of cans bursting!
Hazardous reactions	See section "Hazardous Products of Decomposition".

11. Toxicological information

The product contains 4,4-methylenediphenyl diisocyanate (TLV 0.005 ppm, according to German regulation), xylene (TLV 100 ppm) and aliphatic hydrocarbons (TLV 200 ppm).
May cause sensitization by inhalation. Persons already sensitized against isocyanates should not come into contact with the material.
No TLV is specified for the preparation as a whole.

12. Ecological information

German "Water contamination class" (WGK): 2 Water contaminating. Keep away from drains.

13. Disposal

Allow containers to stand open to air. Material hardens fully after approximately one week. It is then non-reactive and can be disposed of as domestic-type industrial waste but observing official regulations.

14. Transport declarations

IMO/IMDG	non-hazardous goods
ICAO/DGR	not restricted
ADR/RID	not restricted

15. Regulatory information

Classification/label according to EEC Preparations Directive:

St. Andrews cross, harmful

contains 4,4-methylenediphenyl diisocyanate

Observe the following manufacturer's instructions:

R.42 May cause sensitization by inhalation.

S.23 Do not breathe vapours. S.36/37 Wear suitable protective clothing and gloves. S.45 In case of an accident or if you feel unwell, seek medical advice immediately (show the label where possible).



16. Additional information

The information contained herein is based on the present state of our knowledge and does not therefore guarantee certain properties.

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

- | | |
|-------------|---|
| R. 10: | Flammable. |
| R. 20 | Harmful by inhalation. |
| R. 20/21 | Harmful by inhalation and in contact with skin. |
| R. 36/37/38 | Irritating to eyes, respiratory system and skin. |
| R. 38 | Irritating to skin. |
| R. 42/43 | May cause sensitization by inhalation and skin contact. |
| R. 65 | Harmful: may cause lung damage if swallowed. |
| R. 66 | Repeated exposure may cause skin dryness or cracking. |