

EC Safety Data Sheet (according to 91/155/EEC)



Product name:	IH 81 Component B		Issue No. 0002
Issued on:	23/07/2003	Printing date:	14/11/2003

Page 1 of 4

1. Substance-/Preparation and company name

Details of the product
(Product name and use): IH 81 Component B;
Polyurethane Injection resin for waterproofing of building structures

Information about manufacturer/supplier

	Germany	Switzerland
Manufacturer/Supplier:	Tricosal GmbH	Tricosal BBZ AG
Address:	Von-Helmholtz-Str. 1 D-89257 Illertissen	Gewerbezentrum Rotfarb 9213 Hauptwil (Schweiz)
Telephone:	+ 49 (0) 73 03 180 - 0	+41 (0) 71 424 6070
Telefax:	+ 49 (0) 73 03 180 280	+41 (0) 71 424 6077
Information Line:	+ 49 (0) 73 03 180 - 0	+41 (0) 71 424 6070
E-mail	info@tricosal.de	info@bbz-ag.ch
URL	www.tricosal.de	

2. Composition / Information on ingredients

Chemical composition: Preparation based on special diphenylmethandiisocyanate
Hazardous ingredients

CAS-No.	Name of substance	Content	Symbol	R-phrases
101-68-8	Diphenylmethan-4,4'-diisocyanat; Isomeric and homologous	< 60 %	Xn	20; 36/37/38; 42/43

3. Possible Hazards

Identification of hazard: Xn harmful
Information concerning hazards for man and environment: Harmful if breathing in; irritating to eyes, skin and mucous membranes are possible; sensibilization by breathing in and skin contact is possible.

This classification system complies with the current EC-lists and company information.

4. First aid measures

General advice: Immediately remove contaminated and soaked clothing.
After inhalation: Provide for fresh air, at troubles seek medical advice
After skin contact: Wash off with plenty of water and soap.
After eye contact: Rinse with plenty of water for at least 15 min.; seek medical advice immediately
After ingestion: Rinse mouth; seek medical advice immediately

5. Fire Fighting Measures

Suitable extinguishing media: Foam, Extinguishing powder, CO₂ (Carbon Dioxide), water spray.
Non-suitable extinguishing agent (for safety reason): Water jet spray.
Particular hazards caused by the substance, combustion products or developing gases: Toxic and irritant burnt gases can form in case of fire.
Special Protective equipment: Wear self-contained breathing apparatus in case of fire; follow the standard safety measures for handling chemicals in case of fire.

EC Safety Data Sheet (according to 91/155/EEC)



Product name:	IH 81 Component B		Issue No. 0002
Issued on:	23/07/2003	Printing date:	14/11/2003

Page 2 of 4

6. Accidental release measures

Personal precautions:	Protect eyes and hands; wear personal protective equipment; avoid inhalation of fumes.
Environmental precautions:	Do not allow to enter drains, sewers, watercourses and soil.
Measures for cleaning / collection:	Soak up with inert liquid absorbent material (e.g. universal binders); dispose in accordance with local regulations.

7. Handling and storage

Handling:	
Directions for safe handling:	Wear personal protective equipment; provide for good ventilation.
Directions to prevent fire and explosions:	Protect from sources of ignition; protect from heat
Storage:	
Requirements for warehouses and containers:	keep containers tightly closed; protect from sunlight, protect from heat; store under cool conditions, but protect from frost; keep out of reach of children.
Further information for storage conditions:	Not applicable

8. Exposure controls and personal protection

Engineering control measures: Provide for good ventilation (see paragraph 7)

Occupational exposure limits (Germany):

CAS-No.	Name of substance	Type	Value	Unit
101-68-8	Diphenylmethan-4,4'-diisocyanat	MAK	0,05	mg/m ³

Personal protective equipment

Breathing protection:	Provide for good ventilation.
Hand protection:	Chemical resistant protective gloves (e.g. nitrile rubber).
Eye Protection:	Tight fitting safety goggles.
Body protection:	Normal working clothes.
Hygiene at working place:	Keep away from food and beverages, wash hands before breaks and at the end of working day. Do not eat, drink or smoke during working.

9. Physical and chemical properties

Physical state: liquid **Colour:** clear, brown **Odour:** not applicable

	Value / Unit
Change in condition:	Not determined
Density (at 20°C):	Approx. 1,1 g/ml
Vapour pressure (at 20°C):	Not determined
Viscosity (at 20°C):	Thin
Solubility in water (at 20°C):	Insoluble, reacts
pH-value (at 20°C):	Not applicable
Flash point:	> 100°C
Explosion hazard:	Not determined

EC Safety Data Sheet (according to 91/155/EEC)



Product name:	IH 81 Component B		Issue No. 0002
Issued on:	23/07/2003	Printing date:	14/11/2003

Page 3 of 4

10. Stability and reactivity

Conditions and substances to avoid:	None if properly used and stored
Hazardous decomposition products:	None if properly used and stored
Hazardous reactions:	Exothermic reaction with amines and alcohols; with water (moisture): CO ₂ is produced; pressure may build up inside closed containers (danger of bursting)

11. Toxicological information

Primary irritant effect (skin, eyes):	Irritating after contact with skin, eyes and respiratory system.
Sensitization:	Possible by inhalation and skin contact.
Additional information:	None

12. Ecological information

Degradability:	Not determined
German water endangering class (WGK):	1 (own classification)
Further ecological information:	Do not release product into environment.
Further ecological data:	The product reacts with water releasing CO ₂ , to form a solid, insoluble polycarbamide with a high melting point, which, according to present knowledge, is inert and not degradable.

13. Disposal considerations

Product:	
Recommendation:	If recycling is not possible, disposal in accordance with local and official regulations.
Uncleaned packaging	
Recommendation:	Disposable in accordance with local and official regulations.

14. Transport information

Land transport:	No hazardous good according to transport regulations
Sea transport:	No hazardous good according to transport regulations
Air transport:	No hazardous good according to transport regulations

15. Regulatory information

Identification according to EC directives

Code letter and hazard designation of the product:



Relevant component for hazardous goods labelling:

Xn harmful
Contains: Diphenylmethanediisocyanate, isomers and homologues
Contains Isocyanate; observe manufacturer's instructions

Special identification of certain preparations:

R-phrases:	20	Harmful by inhalation.
	36/37/38	Irritating to eyes, respiratory system and skin
	42/43	May cause sensitisation by inhalation and skin contact

S-phrases:	23	Do not breathe vapour/spray
	24	Avoid contact with skin
	37/39	Wear suitable gloves and eye/face protection
	45	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)

National regulations

German water endangering class (WGK):	1 (own classification)
Swiss Federal Office of Public Health:	BAG T-Nr. 614463, poisonous category 3

EC Safety Data Sheet (according to 91/155/EEC)



Product name:	IH 81 Component B		Issue No. 0002
Issued on:	23/07/2003	Printing date:	14/11/2003
			Page 4 of 4

16. Other information

Relevant code letter and hazard designation of the product see section 2:

R 20 Harmful by inhalation.
R 36/37/38 Irritating to eyes, respiratory system and skin
R 42/43 May cause sensitisation by inhalation and skin contact

Changes in comparison with the previous version are marked at the margin with a line

The information of this MSDS is based on the present state of our knowledge. The users working conditions are beyond our knowledge and control. The product is not to be used for other purposes than those specified under section 1 without first obtaining written handling instruction.

It is always the responsibility of the user to take all necessary steps in order to fulfil the demand laid down in the local rules and legislation. The information in this MSDS is meant as a description of the safety requirements of our product and is not to be considered as a guarantee of product properties.