

Den Braven Sealants bv

P.O. Box 194, 4900 AD Oosterhout, Denariusstraat 11, 4903 RC Oosterhout, The Netherlands
Telephone +31 (0) 162-491000, Fax General +31 (0) 162-451217, E-Mail: Info@denbraven.nl



SAFETY DATA SHEET

Zwaluw Primer 250

Reference : 7.10g
Grade : 130
Date : 22-11-2002
Replaces : previous sheet

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product name : Zwaluw Primer 250
Use of the product : Primer for the building industry.
Supplier : See above
Emergency phone number : +31 (0) 413-268716 if no answer +31 (0) 161-451909 (after working hours)

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterization : Polyurethane based mixture with solvent and additives.

<u>Hazardous ingredients =1% and toxic ingredients = 0,1%</u>	<u>CAS Number</u>	<u>Einecs Number</u>	<u>Weight %</u>	<u>Danger Symbol</u>	<u>Risk Phrases</u>
Solvent naphtha (petroleum), light aromatic	64742-95-6	265-199-0	50-75	Xn, N	10-37-51/53-65-66-67
N-methyl-2-pyrrolidon	872-50-4	212-828-1	2,5-10	Xi	36/38
Diphenylmethane diisocyanate, isomers and homologues	26447-40-5	247-714-0	10-25	Xn	20-36/37/38-42/43

3. HAZARDS IDENTIFICATION

Potential health effects : Irritating to eyes, respiratory system and skin.
May cause sensitisation by inhalation and skin contact.
Harmful: may cause lung damage if swallowed.
Vapours may cause drowsiness and dizziness.

4. FIRST AID MEASURES

Eyes : In case of contact flush eyes immediately with plenty of water for at least 15 minutes.
Lift eyelids and rinse well underneath them. Get medical attention if irritation persists.
Mouth (ingestion) : Rinse mouth with water several times. Consult a physician and show this Safety Data Sheet.
Lungs (inhalation) : Fresh air and rest. Get medical attention if complaint persists.
Skin : Remove completely with a dry cloth or paper towel, before washing with detergent and water.
Get medical attention if irritation persists.
Clothes : Remove polluted clothing.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media : CO₂, powder, foam and water spray.
Unsuitable extinguishing media : Unknown.
Special fire fighting procedures : Wear protective clothing and breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Environmental precautions : Keep away from drains and watercourses.
Clean up procedures : Wipe, scrape or soak up in inert material and put in a container for disposal.
Personal precautions : Wear proper protective equipment as described in the 'eye and skin protection' section of chapter 8.

7. HANDLING AND STORAGE

Handling : Handle in well-ventilated area. Avoid contact with skin, eyes and do not swallow.
Storage : Store in closed packing between 5°C and 25°C away from direct sunlight and other sources of heat.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limit	: MAC-TLV	Solvent naphtha (petroleum), light aromatic:	19 ppm
		Diphenylmethane diisocyanate:	0,01 ppm
Respiratory protection	: Avoid breathing the vapour. Maintain good ventilation.		
Eye and skin protection	: Avoid contact with skin and eyes. Wear safety glasses.		
Industrial hygiene	: When using do not eat, drink or smoke. Wash hands after work and before breaks. Don't rub eyes with dirty hands.		

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	: liquid	Flash point	: 52 °C
Colour	: yellow	Lower explosion limit	: 1 vol-%
Odour	: hydrocarbon	Upper explosion limit	: Unk vol-%
Density (water=1)	: 0,9 g/ml	Ignition temperature	: Unk °C
pH (water=7)	: Unk	Vapour pressure	: 15 hPa
Boiling point (water =100)	: Unk °C	Mixable with water	: no
Freezing point (water = 0)	: Unk °C	Mixable with organic solvents	: yes
		VOC-content	: 70-72 Weight-%

10. STABILITY AND REACTIVITY

Hazardous decomposition products	: During curing: CO ₂ . In case of fire: isocyanates, CO, smoke, NO _x , HCN.
Materials to avoid	: Oxidizing agents, strong acid materials, amines, alcohol, water.
Conditions to avoid	: Keep away from sources of ignition.

11. TOXICOLOGICAL INFORMATION

Product information	Diphenylmethane diisocyanate
Acute oral LD50 (mg/kg)	: >15000
Acute dermal LD50 (mg/kg)	: >9000
Acute inhalation LC50 (mg/l)	: 0,49

Other information: Based on the properties of the isocyanate components, this preparation may cause acute irritation and sensitisation of the respiratory system leading to an asthmatic condition, wheeziness and a tightness of the chest. Sensitised persons may subsequently show asthmatic symptoms when exposed to atmospheric concentrations well below the OEL. Repeated exposure may lead to permanent respiratory disability.

Exposure to component solvents vapours may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and loss of consciousness. Repeated or prolonged contact with the preparation may cause non-allergic contact dermatitis and absorption through the skin. The paste splashed in the eyes may cause irritation and reversible damage.

For information on hazardous substances see 'chapter' 2.

12. ECOLOGICAL INFORMATION

Avoid uncured product will come in the environment.

Degradability	: Unknown.
Ecotoxicity	: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
WGK (Germany)	: Unknown.

13. DISPOSAL CONSIDERATIONS

Dispose in accordance with federal, state and local legislation.

Waste code (Germany)	: 080409
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14. TRANSPORT INFORMATION

By sea according IMDG-Code	: Class: 3, Packing group: II, EmS: 3-05, Limited Quantity: 11 / 30kg.
By land according ADR	: Class: 3, Classification code: F1, Packing group: II, Limited Quantity: LQ6.
By air according ICAO/IATA-DGR	: Class: 3, Packing group: II.
UN-number	: 1866
Proper shipping name	: Resin solution.

15. REGULATORY INFORMATION

To the labelling requirements of EC Directives 67/548/EC and 1999/45/EC:

Danger symbol	: Xn Harmful, N Dangerous for the environment
Contains	: Diphenylmethane diisocyanate, isomers and homologues
R-phrases	: 10 Flammable. 36/37/38 Irritating to eyes, respiratory system and skin. 42/43 May cause sensitisation by inhalation and skin contact. 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. 65 Harmful: may cause lung damage if swallowed. 67 Vapours may cause drowsiness and dizziness.
S-phrases	: 23 Do not breathe vapour. 36/37 Wear suitable protective clothing and gloves. 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
Extra	: Contains isocyanates. See information supplied by the manufacturer.
For DIY user	: Tactile warning applicable.

16. OTHER INFORMATION

This product safety data sheet conforms to EC Directive 91/155/EEC as well as its amendments including 2001/58/EC. This data is offered in good faith as typical values and not as product specifications. No warranty either expressed or implied, is hereby made. The recommended industrial and safe handling procedures are believed to be generally applicable, each user should review the recommendations in the specific context of the intended use and determine whether they are appropriate.

NA	: Not Applicable
Unk	: Unknown