

Den Braven Sealants bv

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SAFETY DATA SHEET

Zwaluw Roofplast

Reference : 2.20
Grade : B01
Date : 13-12-2005
Replaces : previous sheet

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

Product name : Zwaluw Roofplast
Use of the product : Sealant 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 : Mixture based on bitumen, fillers, solvents and additives.

<u>Hazardous ingredients $\geq 1\%$ 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>
Bitumen	8052-42-4	Unknown	35-45	NA	NA
Hydrocarbons (white spirit)	64742-82-1	265-185-4	12-18	Xn, N	10-51/53-65-66-67
Surfactant	8030-78-2	Unknown	1,5	F, C	11-22-34

3. HAZARDS IDENTIFICATION

Potential health effects : Flammable
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 firefighting 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 : Not applicable.
Respiratory protection : Avoid breathing the vapor. 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.

Zwaluw Roofplast

Grade: B01

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9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	: Paste	Flash point	: ± 44	°C
Colour	: Black	Lower explosion limit	: Unk	vol-%
Odour	: Solvent	Upper explosion limit	: Unk	vol-%
Density (water=1)	: 1,3 g/ml	Ignition temperature	: ± 210	°C
pH (water=7)	: NA	Vapour pressure	: 6	hPa
Boiling point (water =100)	: ± 160 °C	Mixable with water	: No	
Freezing point (water = 0)	: Unk °C	Mixable with organic solvents	: Yes	
		VOC-content	: 18,0	Weight-%

10. STABILITY AND REACTIVITY

Hazardous decomposition products	: In normal conditions none.
Materials to avoid	: Unknown
Conditions to avoid	: Keep away from sources of ignition

11. TOXICOLOGICAL INFORMATION

Product information

Acute oral LD50 (mg/kg)	: Unknown
Acute dermal LD50 (mg/kg)	: Unknown
Acute inhalation LC50 (mg/l)	: 3,4 – 5,5
Other information:	May cause skin, respiratory system and skin irritation.

For information on hazardous substances see 'chapter' 2.

12. ECOLOGICAL INFORMATION

Avoid uncured product will come in the environment.

Degradability	: Unknown
Ecotoxicity	: Harmful 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 uncured (Germany)	: Unknown
Waste code cured (Germany)	: Unknown

14. TRANSPORT INFORMATION

By sea according IMDG-Code	: Class: 3, Packing group: III, Ems: F-E, S-D, Limited Quantity: 5ℓ / 30kg.
By land according ADR	: Class: 3, Classification code: F1, Packing group: III, Limited Quantity: LQ7. <i>The product meets point 2.2.3.1.5 of the ADR and therefore the product is not subject to the ADR-regulations if packed in containers less than 450 liter.</i>
By air according ICAO/IATA-DGR	: Class: 3
UN-number	: 3295
Proper shipping name	: Hydrocarbon, liquid, n.o.s. (solvent naphtha, mixture)

15. REGULATORY INFORMATION

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

Danger symbol	: Not applicable
Contains	: Not applicable
R-phrases	: 10 Flammable. 52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
S-phrases	: 67 Vapours may cause drowsiness and dizziness. 2 Keep out of reach of children. 16 Keep away from sources of ignition – do not smoke. 46 If swallowed, seek medical advice immediately and show this container or label.

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