

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 Fix-O-Chim

Reference : 7.52
Grade : ch
Date : 14-11-2002
Replaces : previous sheet

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

Product name : Zwaluw Fix-O-Chim
Use of the product : Filler 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 : polyester resin based mixture with fillers.

| <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> |
|---|-----------------------|--------------------------|---------------------|--------------------------|-------------------------|
| Styrene | 100-42-5 | 202-851-5 | 12,5-30 | Xn | 10-20-36/38 |

3. HAZARDS IDENTIFICATION

Potential health effects : Flammable.
Harmful by inhalation.
Irritating to eyes and skin.

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-TGG (8h) Styrene: 25 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 | : paste | Flash point | : 30 | °C |
| Colour | : white | Lower explosion limit | : 1,1 | vol-% |
| Odour | : styrene | Upper explosion limit | : 8,9 | vol-% |
| Density (water=1) | : 1,0-1,6 | Ignition temperature | : Unk | °C |
| pH (water=7) | : Unk | Vapour pressure | : 10 | mbar |
| Boiling point (water =100) | : ±146 | Mixable with water | : no | |
| Freezing point (water = 0) | : ±490 | Mixable with organic solvents | : yes | |
| | | VOC-content | : 12,5-30 | Weight-% |

10. STABILITY AND REACTIVITY

| | |
|---|--|
| Hazardous decomposition products | : In case of fire: CO, harmful gasses, flammable air/vapour mixture. |
| Materials to avoid | : Peroxides and oxidising agents. |
| Conditions to avoid | : High temperatures. Keep away from sources of ignition. |

11. TOXICOLOGICAL INFORMATION

| | |
|-------------------------------------|----------------|
| Product information | Styrene |
| Acute oral LD50 (mg/kg) | : 4370 (rat) |
| Acute dermal LD50 (mg/kg) | : unknown |
| Acute inhalation LC50 (mg/l) | : 5 |

Other information: Irritating to eyes and skin.
For information on hazardous substances see 'chapter' 2.

12. ECOLOGICAL INFORMATION

Avoid uncured product will come in the environment.

| | |
|----------------------|------------|
| Degradability | : Unknown. |
| Ecotoxicity | : Unknown. |
| WGK (Germany) | : 2 |

13. DISPOSAL CONSIDERATIONS

Dispose in accordance with federal, state and local legislation.

| | |
|-----------------------------|--------------------|
| Waste code (Germany) | : 080409 or 200127 |
|-----------------------------|--------------------|

14. TRANSPORT INFORMATION

| | |
|---------------------------------------|---|
| By sea according IMDG-Code | : Class: 3, Packing group: III, EmS: 3-07, Limited Quantity: 51 / 30kg. |
| By land according ADR | : Class: 3, Classification code: F1, Packing group: III, Limited Quantity: LQ7. |
| By air according ICAO/IATA-DGR | : Class: 3. |
| UN-number | : 3269 |
| Proper shipping name | : Polyester resin kits. |

15. REGULATORY INFORMATION

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

| | |
|------------------------------|---|
| Danger symbol | : Xn Harmful |
| Contains | : Styrene |
| R-phrases | : 10 Flammable. 20 Harmful by inhalation. 36/38 Irritating to eyes and skin. |
| S-phrases | : (2) Keep out of reach of children. 23 Do not breathe vapour. 36/37/39 Wear suitable protective clothing, gloves and eye/face protection. (46) If swallowed, seek medical advice immediately and show this container or label. 51 Use only in well-ventilated area. |
| For professional 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 |