

MATERIAL SAFETY DATA SHEET

Product name : Epifanes Epoxy Filler 1300 Component A (Base)
Date of issue : 10/08/2004
Print date : 10/08/2004

Page 1 of 3

SECTION 1 IDENTIFICATION OF THE PREPARATION AND COMPANY

Product name : Epifanes Epoxy Filler 1300 Component A
Product code :
Intended use : Base component of a two component epoxy resin filler
Name, full address and : W. Heeren en Zoon B.V. P.O. Box 166 Oosteinderweg 32 The Netherlands
NL 1430 AD NL 1432 AL Aalsmeer The Netherlands
telephone number : + 31 297 360366
Emergency phone number : same

SECTION 2 HAZARDOUS INGREDIENTS/IDENTITY

Hazardous Component(s) (chemical & common name(s)) according to EC Directive 67/548/EEC

| Cas-number | Name | Symbol | R-phrases(*) |
|------------|---|--------|--------------|
| 25068-38-6 | Bisfenol A-Epichlorhydrine resin with an average molecular weight < 700 | Xi | R36/38 – R43 |

(*) for full text see Section 16

SECTION 3 HAZARDS IDENTIFICATION

Irritating to eyes and skin. May cause sensitization by skin contact

SECTION 4 FIRST AID MEASURES

General

In all cases of doubt, or when symptoms persist, seek medical attention.
Never give anything by mouth to an unconscious person.

Inhalation

Remove to fresh air, keep the patient warm and at rest. If breathing is irregular or stopped, administer artificial respiration. Give nothing by mouth. If unconscious, place in the recovery position and seek medical advice.

Eye contact

Contact lenses should be removed. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart, and seek medical advice.

Skin contact

Remove contaminated clothing. Wash skin thoroughly with mild soap and water or use a proprietary skin cleaner. Do not use solvents or thinners. When symptoms persist, seek medical attention.

Ingestion

If accidentally swallowed obtain immediate medical attention. Keep at rest. Do not induce vomiting. Drink small amounts of water and seek medical advice.

SECTION 5 FIRE FIGHTING MEASURES

Extinguishing media

recommended : alcohol resistant foam, CO₂, powder, water spray/mist
not to be used : water jet

Recommendations

Fire will produce dense black smoke containing hazardous products of combustion (see Section 10). Decomposition products may be a hazard to the health. Appropriate self-contained breathing apparatus may be required. Cool closed containers exposed to fire with water spray. Do not allow run-off from the fire fighting to enter drains or water courses.

SECTION 6 ACCIDENTAL RELEASE MEASURES.

Exclude sources of ignition and ventilate the area. Exclude non-essential personnel. Avoid breathing vapours. Refer to protective measures listed in Sections 7 and 8. Contain and collect spillages with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in suitable container for disposal in accordance with federal, state and local waste regulations. (see Section 13). Do not allow to enter drains or water courses. Clean preferably with a detergent; avoid the use of solvents. If the product enter drains or sewers the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes the National Rivers Authority should be contacted

MATERIAL SAFETY DATA SHEET

Product name : Epifanes Epoxy Filler 1300 Component A (Base)
Date of issue : 10/08/2004

Page 2 of 3

SECTION 7 HANDLING AND STORAGE

Handling

Vapours are heavier than air and may spread along floors. They may form explosive mixtures with air. Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentrations higher than the occupational exposure limits. Additionally, the product should only be used in areas in which all naked lights and other sources of ignition have been excluded. Electrical equipment should be protected to the appropriate standard. Keep the container tightly closed. Exclude sources of heat, sparks and open flame. Non-sparking tools should be used. Avoid skin and eye contact. Avoid inhalation of vapour and spray mist. Smoking, eating and drinking should be prohibited in areas of storage and use. For personal protection see Section 8. Never use pressure to empty; the container is not a pressure vessel.

Always keep in containers made of the same material as the supply container.

Good housekeeping standards and regular safe removal of waste materials will minimise risks of spontaneous combustion or other fire hazards.

The product may charge electrostatic. Use earth leads when transferring from one container to another. Operators should wear anti-static footwear and floors should be electrically conductive.

Storage

Store in accordance with the conditions of the licence which is necessary under the Petroleum (Consolidation) Act.

Store between 5°C = 41°F and 25°C = 77°F in a dry, well ventilated place away from sources of heat, ignition and direct sunlight.

No smoking. Prevent unauthorised access.

Containers which are opened should be properly resealed and kept upright to prevent leakage.

Store separately from oxidising agents and strongly alkaline and strongly acidic materials.

SECTION 8 PERSONAL PROTECTION INFORMATION - CONTROL MEASURES

Respiratory protection:

Air-fed respiratory protective equipment should be worn when this product is sprayed if the exposure of the spayer or other people nearby cannot be controlled to below the occupational exposure limit and engineering controls and methods cannot reasonably be improved. Organic vapour mask (half mask filter A) should be worn when this product is brushed.

Hand protection:

When skin exposure may occur, advice should be sought from glove suppliers on appropriate types. Barrier creams may help to protect exposed areas of the skin but are not substitutes for full physical protection. They should not be applied once exposure has occurred.

Eye protection:

Eye protection designed to protect against liquid splashes should be worn.

Skin protection:

Cotton or cotton/synthetic overalls or coveralls are normally suitable. Grossly contaminated clothing should be removed and the skin washed with soap or a proprietary skin cleaner.

General protective and hygienic measures:

Whilst working do not eat, drink, smoke, snuff. Before breaks and end of work wash hands and/or face.

SECTION 9 STABILITY AND REACTIVITY DATA

Stable under the recommended storage and handling conditions (see Section 7). Dangerous reactions can react with amine under extreme temperatures. Keep away from oxidising agents and strongly alkaline and strongly acidic materials to prevent the possibility of exothermic reaction.

SECTION 10 PHYSICAL AND CHEMICAL CHARACTERISTICS

FIRE & EXPLOSION DATA

| | |
|---------------------|--|
| Appearance | : paste form |
| Colour | : white/beige |
| Odour | : little odour |
| Flash point | : > 100°C |
| Boiling point | : > 200°C |
| Self-igniting | : Product is not self-ignating |
| Danger of explosion | : Product is not explosive. |
| Viscosity | : |
| Density t 20 °C | : 2,01gr/m ³ |
| Solubility | : Not soluble in water, soluble in acetone |

MATERIAL SAFETY DATA SHEET

Product name : Epifanes Epoxy Filler 1300 Component A (Base)

Date of issue : 10/08/2004

Page 3 of 3

SECTION 11 TOXICOLOGICAL INFORMATION

Oral : LD 50 > 2000mg/kg. (rat)

Primary irritant effect:

- On the skin : Irritating effect
- On the eyes: Irritating effect

SECTION 12 ECOLOGICAL INFORMATION

There is no data available on the product itself.

The product should not be allowed to enter drains or water courses or be deposited where it can effect ground or surface waters.

SECTION 13 DISPOSAL CONSIDERATIONS

Do not allow into drains or water courses or dispose of where ground or surface waters may be affected. Wastes, including emptied containers, are controlled wastes and should be disposed of in accordance with local, state and/or federal regulations. Using the information provided in this safety data sheet, advice should be obtained from the Waste Regulation Authority whether special regulations apply.

SECTION 14 TRANSPORT INFORMATION

| Transport Mode | Details |
|-------------------------|---|
| Sea | Class n.a. Packing Group: n.a. Sub risk Marine Pollutant: n.a. |
| Air | Class n.a. Packing Group: n.a. |
| International road/rail | Class n.a. Packing Group: n.a. |

SECTION 15 REGULATORY INFORMATION

Classification and labelling according to EC-Directive 93/112 :

| | | |
|-----------|----------|--|
| Symbol | : Xi | Irritating |
| Contains | : | |
| R-phrases | : R36/38 | Irritating to eyes and skin |
| | R43 | may cause sensitisation by skin contact. |
| S-phrases | : S2 | Keep out of reach of children |
| | S24 | Avoid contact with skin |
| | S28 | After contact with skin, wash immediately with plenty of water and mild soap |
| | S37 | Wear suitable gloves |

SECTION 16 OTHER INFORMATION

Text of R phrases listed in Section 2

| | | |
|-----------|----------|--|
| R-phrases | : R36/38 | Irritating to eyes and skin |
| | R43 | may cause sensitisation by skin contact. |

The information contained in this safety data sheet is provided in accordance with the requirements EC-Directive 91/155 and 93/112. The product should not be used for purposes other than those shown in Section 1 without first referring to the supplier and obtaining written handling instructions. As the specific conditions of use of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with.

This information contained in this safety data sheet is based on the present state of knowledge and current national legislation. It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications.

This information contained in this safety data sheet does not constitute the user's own assessment of workplace risks as required by other health and safety legislation.

