

Material Safety Data Sheet

According to 91/155 EEC

Printing date 19.03.2004

Reviewed on 24.01.2003


1 Identification of the substance/preparation and of the company/undertaking

- Product details
- Trade name: Epifanes Fibreglassfiller White
- Application of the substance / the preparation
Fibreglassfiller for use above the waterline
- Manufacturer/Supplier:
W.HEEREN & ZOON BV
Postbus 166
1430 AD Aalsmeer
tel. +31-297-360366
fax. +31-297-342078
- Further information obtainable from: Department Research & Development
- Information in case of emergency: See under Manufacturer/Supplier

2 Composition/information on ingredients

- Chemical characterization
- Description:
Resin mixture
Solvent mixture with pigment additives

• Dangerous components:

CAS: 100-42-5	styrene	 Xn; R 10-20-36/38	10-25%
EINECS: 202-851-5			

- Additional information:
For the wording of the listed risk phrases refer to section 16.

3 Hazards identification

- Hazard description: Not applicable.
- Information concerning particular hazards for human and environment:
The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
R 10 Flammable.
- Classification system:
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.
- Additional information:
The hardener-paste with plasticiser is added in a separated tube and contains 20 grams paste.
Dangerous component:
Dibenzoylperoxide CAS nr. 94-36-0 symbol : O, Xi
EINECS nr. 202-327-6 Risk phrases: R 2-36-43

4 First-aid measures

- After inhalation:
Supply fresh air; consult doctor in case of complaints.
- After skin contact: Generally the product does not irritate the skin.
- After eye contact:
Rinse opened eye for several minutes under running water.
- After swallowing: If symptoms persist consult doctor.

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5 Fire-fighting measures

- Suitable extinguishing agents:
CO₂, sand, extinguishing powder. Do not use water.
- For safety reasons unsuitable extinguishing agents:
Water
Water with full jet
- Protective equipment: No special measures required.

6 Accidental release measures

- Person-related safety precautions:
Wear protective equipment. Keep unprotected persons away.
- Measures for environmental protection:
Do not allow to enter sewers/ surface or ground water.
- Measures for cleaning/collecting:
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Ensure adequate ventilation.
Do not flush with water or aqueous cleansing agents

7 Handling and storage

- Handling:
- Information for safe handling:
Ensure good ventilation/exhaustion at the workplace.
- Information about fire - and explosion protection:
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
- Storage:
- Requirements to be met by storerooms and receptacles:
No special requirements.
- Information about storage in one common storage facility: Not required.
- Further information about storage conditions:
Protect from heat and direct sunlight.

8 Exposure controls/personal protection

- Additional information about design of technical facilities:
No further data; see item 7.

- Ingredients with limit values that require monitoring at the workplace:

	styrene
MEL	Short-term value: 1080 mg/m ³ , 250 ppm Long-term value: 430 mg/m ³ , 100 ppm

- Additional information:
The lists valid during the making were used as basis.
- Personal protective equipment:
- General protective and hygienic measures:
Wash hands before breaks and at the end of work.
- Respiratory protection:
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

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- **Protection of hands:**
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- **Material of gloves**
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **Penetration time of glove material**
The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:**



Tightly sealed goggles

Safety glasses

9 Physical and chemical properties

• General Information

Form:	Fluid
Colour:	According to product specification
Odour:	Characteristic

• Change in condition

Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	145°C

• Flash point:	31°C
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• Ignition temperature:	480°C
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• Self-igniting:	Product is not selfigniting.
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• Danger of explosion:	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
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• Explosion limits:

Lower:	1.2 Vol %
Upper:	8.9 Vol %

• Vapour pressure at 20°C:	6 hPa
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• Density at 20°C:	2.155 g/cm ³
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• Solubility in / Miscibility with water:	Not miscible or difficult to mix.
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• Solvent content:

Organic solvents:	11.2 %
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• Solids content:	88.7 %
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10 Stability and reactivity

- Thermal decomposition / conditions to be avoided:
No decomposition if used according to specifications.
- Dangerous reactions No dangerous reactions known.
- Dangerous decomposition products:
No dangerous decomposition products known.

11 Toxicological information

- Acute toxicity:

- LD/LC50 values relevant for classification:

100-42-5 styrene

Oral	LD50	5000 mg/kg (rat)
Inhalative	LC50/4 h	24 mg/l (rat)

- Primary irritant effect:
- on the skin: No irritant effect.
- on the eye: No irritating effect.
- Sensitization: No sensitizing effects known.

12 Ecological information

- General notes:

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

13 Disposal considerations

- Product:
- Recommendation
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- Uncleaned packaging:
- Recommendation:
Disposal must be made according to official regulations.

14 Transport information

- Land transport ADR/RID (cross-border)



- ADR/RID class: 3 F1 Flammable liquids.
- Danger code (Kemler): 39
- UN-Number: 3269
- Packaging group: III
- Hazard label 3

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- Description of goods: 3269 POLYESTER RESIN KIT

- Maritime transport IMDG:



- IMDG Class: 3
- UN Number: 3269
- Label: 3
- Packaging group: III
- EMS Number: F-E,S-D
- Marine pollutant: No
- Proper shipping name: POLYESTER RESIN KIT

- Air transport ICAO-TI and IATA-DGR:



- ICAO/IATA Class: 3
- UN/ID Number: 3269
- Label: 3
- Packaging group: III
- Proper shipping name: POLYESTER RESIN KIT

15 Regulatory information

- Labelling according to EU guidelines:
The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.
- Risk phrases:
10 Flammable.
- Safety phrases:
2 Keep out of the reach of children.
23 Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer).
43 In case of fire, use ... (indicate in the space the precise type of fire-fighting equipment. If water increases risk, add 'Never use water').
46 If swallowed, seek medical advice immediately and show this container or label.
51 Use only in well-ventilated areas.
56 Dispose of this material and its container to hazardous or special waste collection point.
- National regulations:
- Technical instructions (air):

Class	Share in %
II	17.5
- Waterhazard class:
Water hazard class 2 (Self-assessment): hazardous for water.

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16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

• Relevant R-phrases

10 Flammable.

20 Harmful by inhalation.

36/38 Irritating to eyes and skin.

• Department issuing MSDS: Department Research & Development

• Contact: T.J.H.M. van Steenes

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