

Material Safety Data Sheet
According to 91/155 EEC

Printing date 19.03.2004

Reviewed on 21.02.2003


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

- Product details
- Trade name: Epifanes Easy Flow
- Application of the substance / the preparation
Versatile multi-purpose paint additive or stand alone coating
- 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:
Mixture: consisting of the following components.
Mixture of vegetable oils, fatty acids, additives and organic solvents

• Dangerous components:

CAS: 64742-48-9	Naphtha (petroleum), hydrotreated heavy	38.825%
EINECS: 265-150-3	 Xn; R 10-65-66	

- 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:
Not applicable.

4 First-aid measures

- General information: No special measures required.
- 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.

5 Fire-fighting measures

- Suitable extinguishing agents:
CO₂, sand, extinguishing powder. Do not use water.
- For safety reasons unsuitable extinguishing agents:
Water with full jet
Water haze
- Special hazards caused by the substance, its products of combustion or resulting gases:
Under certain fire conditions, traces of other toxic gases cannot be excluded.

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- Protective equipment: No special measures required.

6 Accidental release measures

- Person-related safety precautions:
Ensure adequate ventilation
Keep away from ignition sources.
- 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).
- Additional information: No dangerous substances are released.

7 Handling and storage

- Handling:
- Information for safe handling:
Use only in well ventilated areas.
No special measures required.
- Information about fire - and explosion protection:
Keep ignition sources away - Do not smoke.
- Storage:
- Requirements to be met by storerooms and receptacles:
Store only in the original receptacle.
- Information about storage in one common storage facility: Not required.
- Further information about storage conditions: None.

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:
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- Additional information:
The lists valid during the making were used as basis.
- Personal protective equipment:
- Respiratory protection: Not necessary if room is well-ventilated.
- Protection of hands:
Protective gloves and protective skin cream
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
- 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 through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- Eye protection: Safety glasses

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- Body protection: Use protective suit.

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:	>150°C

• Flash point: >42°C

• Ignition temperature: 240°C

• Self-igniting: Product is not selfigniting.

• Danger of explosion: Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

• Explosion limits:

Lower:	0.6 Vol %
Upper:	7.0 Vol %

• Vapour pressure at 20°C: 1 hPa

• Density at 20°C: 0.861 g/cm³

• Solubility in / Miscibility with water: Insoluble.

• Viscosity:

Kinematic at 20°C: 13 s (DIN 53211/4)

• Solvent content:

Organic solvents: 40.0 %

• Solids content: 60.0 %

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:

64742-48-9 Naphtha (petroleum), hydrotreated heavy

Oral	LD50	>5000 mg/kg (rat)
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Dermal	LD50	>3000 mg/kg (rab)
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• Primary irritant effect:

- on the skin: No irritant effect.
- on the eye: No irritating effect.

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- Sensitization: No sensitizing effects known.
- Additional toxicological information:
The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.
When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

12 Ecological information

- General notes:
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

13 Disposal considerations

- Product:
- Recommendation
Smaller quantities can be disposed of with household waste.
- Uncleaned packaging:
- Recommendation:
Disposal must be made according to official regulations.

14 Transport information

- Land transport ADR/RID (cross-border)



- ADR/RID class: 3 FT1 Flammable liquids.
- Danger code (Kemler): 30
- UN-Number: 1263

- Maritime transport IMDG:



- IMDG Class: 3
- UN Number: 1263
- Label: 3
- Packaging group: III
- EMS Number: F-E,S-E
- Marine pollutant: No
- Proper shipping name: PAINT RELATED MATERIAL

- Air transport ICAO-TI and IATA-DGR:



- ICAO/IATA Class: 3
- UN/ID Number: 1263

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- Label 3
- Packaging group: III
- Proper shipping name: PAINT RELATED MATERIAL

15 Regulatory information

- Labelling according to EU guidelines:
Flammable.
The substance is not subject to classification according to EU lists and other sources of literature known to us.
- National regulations:
- Technical instructions (air):

Class	Share in %
II	0.8
- Waterhazard class:
Water hazard class 1 (Self-assessment): slightly hazardous for water.

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.
65 Harmful: may cause lung damage if swallowed.
66 Repeated exposure may cause skin dryness or cracking.
- Department issuing MSDS: Department Research & Development
- Contact: T.J.H.M. van Steenes