

Material Safety Data Sheet

According to 91/155 EEC

Printing date 19.03.2004

Reviewed on 26.02.2003

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

- Product details
- Trade name: Epifanes Retarder for Paint & Varnish
- Application of the substance / the preparation
Coating compound/ Surface coating/ paint
Oil additive for one component paints and varnishes to extend the wet edge and flowing time
- 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:
- CAS No. Description
8001-26-1 Linseed oil
- Identification number(s) None

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.
- After skin contact: Rinse with warm water.
- After eye contact:
Rinse opened eye for several minutes under running water.
- After swallowing: Seek medical treatment.

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: Not required.
- Measures for environmental protection:
Do not allow to enter sewers/ surface or ground water.

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- 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: No special measures required.
- Information about fire - and explosion protection:
No special measures required.
- 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: 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:
Not required.
- Additional information:
The lists valid during the making were used as basis.
- Personal protective equipment:
- General protective and hygienic measures: Avoid contact with the eyes.
- Respiratory protection: Not required.
- Protection of hands:
- Material of gloves Plastic gloves
- 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: Goggles recommended during refilling

9 Physical and chemical properties

• General Information

Form:	Fluid
Colour:	Red-brown
Odour:	Characteristic

• Change in condition

Melting point/Melting range:	< 0.0°C
Boiling point/Boiling range:	> 300°C

• Flash point:	> 300°C
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• Ignition temperature:	zeer hoog°C
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• Self-igniting:	Product is not selfigniting.
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• Danger of explosion:	Product does not present an explosion hazard.
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• Density at 20°C:	0.95 g/cm ³ (ISO 2811)
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- | | |
|---|------------|
| • Solubility in / Miscibility with water: | Insoluble. |
| • Viscosity: | |
| Dynamic at 20°C: | 5000 mPas |
| Organic solvents: | 0.0 % |
| • Solids content: | 100.0 % |

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:
- Primary irritant effect:
- on the skin: No irritant effect.
- on the eye: No irritating effect.
- Sensitization: No sensitizing effects known.
- Additional toxicological information:
The substance is not subject to classification according to the latest version of the EU lists.

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: | - |
| • Maritime transport IMDG: | |
| • IMDG Class: | - |
| • Marine pollutant: | No |

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- Air transport ICAO-TI and IATA-DGR:
- ICAO/IATA Class: -

15 Regulatory information

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

- Department issuing MSDS: Department Research & Development
- Contact: T.J.H.M. van Steenes