

Epifanes Woodprimer

A traditional one-component filling primer for bare wood in a one-component paint system above the waterline. Suitable for interior and exterior use. Provides good filling, filmbuilding, covering and easy sanding. Recoatable with all Epifanes one-component yachtpaints

Type	Air drying
Base	Urethane resins / alkyd resins.
Colour	White - grey - black - havanna brown - dark brown
Gloss	Semi gloss
Density	1.10 - 1.50 kg/dm ³ (dependant on colour)
Viscosity	120-130 seconds Din Cup 4 mm.
Solids content	65 ± 2 vol.% (dependant on colour)
Drying times at 20°C. / 65% RAH	dust dry - 2 hours sandable - 24 hours recoatable - 24 hours.

Application :

	Airless spray	Air spray	Brush/roller
Vol.% thinner	5 - 10	15 - 20	0 - 5
Nozzle	0.018" - 0.021"	1.5 - 2.0 mm	
Pressure (Bar)	120-150	3-5	
Visc. Din Cup 4mm	60-80	20 - 24	

Thinner

- airless spray
- conv. airspray application
- brush/roller application

Epifanes Thinner D-100
Epifanes Spraythinner for Paint & Varnish
Epifanes Brushthinner for Paint & Varnish

Theoretical coverage

12 m² per litre @ 50 µm dryfilmthickness

Practical coverage

Dependant on application methode, kind and condition of substrate, loss of material due to shape of object, circumstances during application, etc.

Recommended wetfilmthickness

70 µm, (= 45µm dryfilmthickness)

Recommended system

On bare wood apply one or two coats.
Apply first coat by brush, thinned 5-10%.
Do not apply wet-on-wet and do not apply too high a wetfilmthickness in order to avoid the formation of curtains and drying problems.

Sanding

Lightly sand between coats with dry abrasive paper nr. 180

Overcoatability

One-component alkyd and/or urethane based paints.

Substrate conditions

Wood must be dry and free of grease, etc. Wood humidity should not exceed 13%. Greasy, resinous types of wood, i.e. pine and Oregon Pine must be well degreased with Epifanes Spraythinner for Paint & Varnish or another appropriate degreaser. Allow to evaporate. Sand bare wood to a smooth surface using dry abrasive paper nr. 100-120 . Sand along with the grain of the wood.

Application guide lines

Before applying, stir thoroughly. The application and drying should occur in well ventilated areas. Always secure sufficient air circulation for supply of fresh air and disposal of solvent fumes and in order to avoid health hazards and drying problems. Avoid painting in direct sunlight or too much wind. A rapid loss of solvents will occur under these conditions and decrease the flowing ability.

Application conditions

Temperature of paint, object and work area during application and drying should not be lower than 8°C. Relative air humidity should not exceed 85%.
Temperatrure of object during and drying should be at least 3°C above dew point.

Material Safety Data Sheet
According to 91/155 EEC

Printing date 19.03.2004

Reviewed on 19.11.2002


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

- Product details
- Trade name: Werdol Woodprimer
- Application of the substance / the preparation
Paint
One-component primer for wood 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
Mixture of synthetic binders, pigment, filler, additives and organic solvents.

• Dangerous components:

CAS: 64742-48-9	Naphtha (petroleum), hydrotreated heavy	27.9%
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:
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.
R 65 Harmful: may cause lung damage if swallowed.
R 66 Repeated exposure may cause skin dryness or cracking.
- Classification system:
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

4 First-aid measures

- After inhalation:
Supply fresh air; consult doctor in case of complaints.
- After skin contact:
Immediately wash with water and soap and rinse thoroughly.
- 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: Ensure adequate ventilation
- Measures for environmental protection:
Do not allow product to reach sewage system or any water course.
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).
Do not flush with water or aqueous cleansing agents

7 Handling and storage

- Handling:
- Information for safe handling: No special measures required.
- 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: 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: barium sulphate, natural

OES	Long-term value: 10* 4** mg/m ³ *total inhalable dust **respirable dust
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- 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: Not necessary if room is well-ventilated.
- 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

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- 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: 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:	Undetermined.

• Flash point: 36°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: 1.32 g/cm³ (ISO 2811)

• Solubility in / Miscibility with water: Insoluble.

• Viscosity:

Kinematic at 20°C: 35 s (ISO 6 mm)

• Solvent content:

Organic solvents: 27.9 %

• Solids content: 72.1 % (SC% 1h 150C)

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.

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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.
- Sensitization: No sensitizing effects known.

12 Ecological information

- General notes:

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

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): 30
- UN-Number: 1263
- Packaging group: III
- Hazard label: 3
- Description of goods: 1263 PAINT

- Maritime transport IMDG:



- IMDG Class: 3
- UN Number: 1263
- Label: 3
- Packaging group: III
- EMS Number: F-E,S-E
- Marine pollutant: No

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- Proper shipping name: PAINT
- Air transport ICAO-TI and IATA-DGR:



- ICAO/IATA Class: 3
- UN/ID Number: 1263
- Label: 3
- Packaging group: III
- Proper shipping name: PAINT

15 Regulatory information

- Labelling according to EU guidelines:
The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.
- Hazard-determining components of labelling:
Naphtha (petroleum), hydrotreated heavy
- Risk phrases:
10 Flammable.
65 Harmful: may cause lung damage if swallowed.
66 Repeated exposure may cause skin dryness or cracking.
- Safety phrases:
2 Keep out of the reach of children.
24 Avoid contact with skin.
43 In case of fire, use sand, carbon dioxide or powdered extinguishing agent. Never use water.
46 If swallowed, seek medical advice immediately and show this container or label.
51 Use only in well-ventilated areas.
62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.
- National regulations:
- Technical instructions (air):

Class	Share in %
II	0.4
III	0.3
- 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