

**1 Identification of substance**

- Product details
- Trade name: Epifanes PP Varnish Extra Comp. A
- Application of the substance / the preparation Paint
- Manufacturer/Supplier:  
 W.HEEREN & ZOON BV  
 Postbus 166  
 1430 AD Aalsmeer
- Information department: Environment protection department.
- Emergency information: Zie onder Fabrikant/leverancier

**2 Composition/Data on components**

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

• Dangerous components:

108-65-6	2-methoxy-1-methylethyl acetate	Xi; R 10-36	10-25%
1330-20-7	xylene	Xn; R 10-20/21-38	10-25%
108-10-1	4-methylpentan-2-one	Xn, F; R 11-20-36/37-66	10-25%
100-41-4	ethylbenzene	Xn, F; R 11-20	2.5-10%

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

**3 Hazards identification**

- Hazard description:  
 Xn Harmful
- Information pertaining to particular dangers for man 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 20/21 Harmful by inhalation and in contact with skin.  
 R 36 Irritating to eyes.
- Classification system:  
 The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.
- NFPA ratings (scale 0 - 4)  
 Health = 2  
 Fire = 3  
 Reactivity = 0
- HMIS-ratings (scale 0 - 4)  
 Health = 2  
 Fire = 3  
 Reactivity = 0

**4 First aid measures**

- General information:  
 Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

(Contd. on page 2)

Trade name: Epifanes PP Varnish Extra Comp. A

(Contd. of page 1)

- After inhalation:  
Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.  
In case of unconsciousness place patient stably in side position for transportation.
- After skin contact: Generally the product does not irritate the skin.
- After eye contact:  
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- After swallowing: If symptoms persist consult doctor.

**5 Fire fighting measures**

- Suitable extinguishing agents:  
CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- For safety reasons unsuitable extinguishing agents: Water with full jet
- Protective equipment:  
Wear fully protective suit.  
Mouth respiratory protective device.

**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).  
Dispose contaminated material as waste according to item 13.  
Ensure adequate ventilation.

**7 Handling and storage**

- Handling:
- Information for safe handling:  
Ensure good ventilation/exhaustion at the workplace.  
Prevent formation of aerosols.
- Information about protection against explosions and fires:  
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 humidity and water.  
Keep receptacle tightly sealed.

USA

(Contd. on page 3)

Trade name: Epifanes PP Varnish Extra Comp. A

(Contd. of page 2)

**8 Exposure controls and personal protection**

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

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

1330-20-7 xylene

PEL	435 mg/m <sup>3</sup> , 100 ppm
REL	Short-term value: 655 mg/m <sup>3</sup> , 150 ppm Long-term value: 435 mg/m <sup>3</sup> , 100 ppm (o-, m-, & p-isomers)
TLV	Short-term value: 651 mg/m <sup>3</sup> , 150 ppm Long-term value: 434 mg/m <sup>3</sup> , 100 ppm BEI

108-10-1 4-methylpentan-2-one

PEL	410 mg/m <sup>3</sup> , 100 ppm
REL	Short-term value: 300 mg/m <sup>3</sup> , 75 ppm Long-term value: 205 mg/m <sup>3</sup> , 50 ppm
TLV	Short-term value: 307 mg/m <sup>3</sup> , 75 ppm Long-term value: 205 mg/m <sup>3</sup> , 50 ppm BEI

100-41-4 ethylbenzene

PEL	435 mg/m <sup>3</sup> , 100 ppm
REL	Short-term value: 545 mg/m <sup>3</sup> , 125 ppm Long-term value: 435 mg/m <sup>3</sup> , 100 ppm
TLV	Short-term value: 543 mg/m <sup>3</sup> , 125 ppm Long-term value: 434 mg/m <sup>3</sup> , 100 ppm BEI

- Additional information:  
The lists that were valid during the creation were used as basis.
- Personal protective equipment:
- General protective and hygienic measures:  
Keep away from foodstuffs, beverages and feed.  
Immediately remove all soiled and contaminated clothing.  
Wash hands before breaks and at the end of work.  
Do not inhale gases / fumes / aerosols.  
Avoid contact with the eyes.  
Avoid contact with the eyes and skin.
- Breathing equipment:  
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.
- Protection of hands:  
Protective gloves  
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.

(Contd. on page 4)

Trade name: Epifanes PP Varnish Extra Comp. A

(Contd. of page 3)

- 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: Tightly sealed goggles

**9 Physical and chemical properties**

• General Information

Form:	Fluid
Color:	According to product specification
Odor:	Characteristic

• Change in condition

Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	Undetermined.

• Flash point: 21°C (70°F)

• Ignition temperature: 315.0°C (599°F)

• Auto igniting: Product is not selfigniting.

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

• Explosion limits:

Lower:	1.1 Vol %
Upper:	10.8 Vol %

• Vapor pressure at 20°C (68°F): 8.0 hPa (6 mm Hg)

• Density at 20°C (68°F): 1.04 g/cm<sup>3</sup>

• Solubility in / Miscibility with

Water: Not miscible or difficult to mix.

• Viscosity:

Kinematic at 20°C (68°F): 45 s (ISO 6 mm)

• Solvent content:

Organic solvents:	43.5 %
VOC content:	43.5 %
	453.3 g/l / 3.78 lb/gl

• Solids content: 56.4 % (VB% 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 products of decomposition: No dangerous decomposition products known.

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(Contd. on page 5)

Printing date 05/19/2005

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Trade name: Epifanes PP Varnish Extra Comp. A

(Contd. of page 4)

**11 Toxicological information**

## • Acute toxicity:

## • LD/LC50 values that are relevant for classification:

1330-20-7 xylene

Oral	LD50	4300 mg/kg (rat)
Dermal	LD50	2000 mg/kg (rabbit)

## • Primary irritant effect:

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

## • Sensitization:

Sensitizing effect through inhalation is possible with prolonged exposure.  
Sensitizing effect by skin contact is possible with prolonged exposure.

## • Additional toxicological information:

The product shows the following dangers according to internally approved calculation methods for preparations:

Harmful  
Irritant

**12 Ecological information**

## • General notes:

Water hazard class 2 (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 of together with household garbage. Do not allow product to reach sewage system.

## • Uncleaned packagings:

## • Recommendation: Disposal must be made according to official regulations.

**14 Transport information**

## • DOT regulations:

- Hazard class: 3
- Identification number: UN1263
- Packing group: II
- Proper shipping name (technical name): PAINT  
CONSUMER COMMODITY, ORM-D
- Label: 3
- Remarks: CERCLA/DOT RQ: 617gal./4786 lbs.

## • Land transport ADR/RID (cross-border):

- ADR/RID class: 3 Flammable liquids
- Danger code (Kemler): 33
- UN-Number: 1263
- Packaging group: III
- Description of goods: 1263 PAINT

(Contd. on page 6)

Trade name: Epifanes PP Varnish Extra Comp. A

(Contd. of page 5)

- 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  
CONSUMER COMMODITY, ORM-D
  - Remarks: System Reference Code:5
- 
- 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 Regulations**

- Sara

- Section 355 (extremely hazardous substances):

None of the ingredient is listed.

- Section 313 (Specific toxic chemical listings):

1330-20-7	xylene
108-10-1	4-methylpentan-2-one
100-41-4	ethylbenzene

- TSCA (Toxic Substances Control Act):

108-65-6	2-methoxy-1-methylethyl acetate
1330-20-7	xylene
108-10-1	4-methylpentan-2-one
100-41-4	ethylbenzene
25086-48-0	Azijnzure ethenylester, polymeer met chlooretheen en ethenol. Acetic acid ethenylester, polymer with chlorethene and ethanol.
25973-55-1	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylfenol
79-20-9	methyl acetate
7732-18-5	water, distilled, conductivity or of similar purity
67-64-1	acetone

- Proposition 65

- Chemicals known to cause cancer:

None of the ingredients is listed.

- Chemicals known to cause reproductive toxicity:

None of the ingredients is listed.

- Cancerogenity categories

- EPA (Environmental Protection Agency)

1330-20-7	xylene	D
100-41-4	ethylbenzene	D
67-64-1	acetone	D

(Contd. on page 7)

Trade name: Epifanes PP Varnish Extra Comp. A

(Contd. of page 6)

• IARC (International Agency for Research on Cancer)		
1330-20-7	xylene	3
100-41-4	ethylbenzene	2B
• NTP (National Toxicology Program)		
None of the ingredients is listed.		
• TLV (Threshold Limit Value established by ACGIH)		
1330-20-7	xylene	A4
67-64-1	acetone	A4
• MAK (German Maximum Workplace Concentration)		
None of the ingredients is listed.		
• NIOSH-Ca (National Institute for Occupational Safety and Health)		
None of the ingredients is listed.		
• OSHA-Ca (Occupational Safety & Health Administration)		
None of the ingredients is listed.		

• Product related hazard informations:

The product has been classified and marked in accordance with directives on hazardous materials.

• Hazard symbols:



Xn Harmful

• Hazard-determining components of labelling:

xylene

• Risk phrases:

- 10 Flammable.
- 20/21 Harmful by inhalation and in contact with skin.
- 36 Irritating to eyes.

• Safety phrases:

- 2 Keep out of the reach of children.
- 23 Do not breathe fumes/aerosol.
- 24/25 Avoid contact with skin and eyes.
- 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- 46 If swallowed, seek medical advice immediately and show this container or label.
- 51 Use only in well-ventilated areas.

• National regulations:

• Technical instructions (air):

Class	Share in %
NK	25-50

• Water hazard class:

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

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Trade name: Epifanes PP Varnish Extra Comp. A

(Contd. of page 7)

**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: Environment protection department.
- Contact: J.J. van Dijk
- \* Data compared to the previous version altered.

USA