

## 1 Identification of substance

- Product details
- Trade name: Epifanes Thinner for PP Varnish extra
- Application of the substance / the preparation Thinner, Diluent
- Manufacturer/Supplier:  
W.HEEREN & ZOON BV  
Postbus 166  
1430 AD Aalsmeer
- Information department: Environment protection department.

**suter-kunststoffe ag**  
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## 2 Composition/Data on components

- Chemical characterization:
- CAS No. Description  
67-64-1 acetone
- Identification number(s)
- EINECS Number: 200-662-2
- EU Number: 606-001-00-8

## 3 Hazards identification

- Hazard description:  
Xi Irritant  
F Highly flammable
- Information pertaining to particular dangers for man and environment:  
At long or repeated contact with skin it may cause dermatitis due to the degreasing effect of the solvent.  
Has a narcotizing effect.  
R 11 Highly flammable.  
R 36 Irritating to eyes.  
R 66 Repeated exposure may cause skin dryness or cracking.  
R 67 Vapours may cause drowsiness and dizziness.
- Classification system:
- NFPA ratings (scale 0 - 4)  
Health = 3  
Fire = 3  
Reactivity = 0
- HMIS-ratings (scale 0 - 4)  
Health = 3  
Fire = 3  
Reactivity = 0

## 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. If symptoms persist, consult a doctor.
- After swallowing: Call a doctor immediately.

Printing date 01/03/2005

Reviewed on 01/03/2005

Trade name: Epifanes Thinner for PP Varnish extra

(Contd. of page 1)

**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.
- Protective equipment: Wear fully protective suit.

**6 Accidental release measures**

- Person-related safety precautions:  
Ensure adequate ventilation  
Wear protective equipment. Keep unprotected persons away.
- Measures for environmental protection:  
Prevent seepage into sewage system, workpits and cellars.  
Dilute with plenty of water.  
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.

**7 Handling and storage**

- Handling:
- Information for safe handling:  
Keep away from heat and direct sunlight.  
Ensure good ventilation/exhaustion at the workplace.  
Prevent formation of aerosols.
- Information about protection against explosions and fires:  
Fumes can combine with air to form an explosive mixture.  
Keep ignition sources away - Do not smoke.  
Protect against electrostatic charges.
- Storage:
- Requirements to be met by storerooms and receptacles:  
Store only in the original receptacle.  
Store in a cool location.
- Information about storage in one common storage facility: Not required.
- Further information about storage conditions:  
Keep receptacle tightly sealed.  
Store in cool, dry conditions in well sealed receptacles.

**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:

67-64-1 acetone

PEL	2400 mg/m <sup>3</sup> , 1000 ppm
REL	590 mg/m <sup>3</sup> , 250 ppm
TLV	Short-term value: 1782 mg/m <sup>3</sup> , 750 ppm
	Long-term value: 1188 mg/m <sup>3</sup> , 500 ppm
BEI	

(Contd. on page 3)

Printing date 01/03/2005

Reviewed on 01/03/2005

Trade name: Epifanes Thinner for PP Varnish extra

(Contd. of page 2)

- 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.  
Use suitable respiratory protective device in case of insufficient ventilation.
- 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.
- 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:	Colorless
Odor:	Characteristic

### • Change in condition

Melting point/Melting range:	94.7°C (202°F)
Boiling point/Boiling range:	56°C (133°F)

• Flash point: -19°C (-2°F) (DIN 51755)

• Ignition temperature: 465°C (869°F) (DIN 51794)

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

### • Explosion limits:

Lower:	2.6 Vol %
Upper:	13.0 Vol %

• Vapor pressure at 20°C (68°F): 233 hPa (175 mm Hg)

• Density at 20°C (68°F): 0.79 g/cm<sup>3</sup> (DIN 51757)

(Contd. on page 4)

Printing date 01/03/2005

Reviewed on 01/03/2005

Trade name: Epifanes Thinner for PP Varnish extra

(Contd. of page 3)

- Solubility in / Miscibility with Water: Fully miscible.
- Solvent content:
  - Organic solvents: 100.0 %
  - VOC content: 100.0 %
  - VOC content: 791.0 g/l

**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.

**11 Toxicological information**

- Acute toxicity:
- LD/LC50 values that are relevant for classification:

67-64-1 acetone

Oral	LD50	5800 mg/kg (rat)
Dermal	LD50	20000 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.

**12 Ecological information**

- General notes:  
Water hazard class 1 (Assessment by list): slightly hazardous for water  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

**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.
- Recommended cleansing agent: Water, if necessary with cleansing agents.

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(Contd. on page 5)

Printing date 01/03/2005

Reviewed on 01/03/2005

Trade name: Epifanes Thinner for PP Varnish extra

(Contd. of page 4)

#### 14 Transport information

- DOT regulations:
- Hazard class: 3
- Identification number: UN1090
- Packing group: II
- Proper shipping name (technical name): ACETONE, solution
- Label 3
- Land transport ADR/RID (cross-border):
- ADR/RID class: 3 Flammable liquids
- Danger code (Kemler): 33
- UN-Number: 1090
- Packaging group: II
- Description of goods: 1090 ACETONE, solution
- Maritime transport IMDG:
- IMDG Class: 3
- UN Number: 1090
- Label 3
- Packaging group: II
- EMS Number: F-E,S-D
- Marine pollutant: No
- Proper shipping name: ACETONE, solution
- Air transport ICAO-TI and IATA-DGR:
- ICAO/IATA Class: 3
- UN/ID Number: 1090
- Label 3
- Packaging group: II
- Proper shipping name: ACETONE, solution

#### 15 Regulations

- Sara
- Section 355 (extremely hazardous substances):  
Substance is not listed.
- Section 313 (Specific toxic chemical listings):  
Substance is not listed.
- TSCA (Toxic Substances Control Act):  
Substance is listed.
- Proposition 65
- Chemicals known to cause cancer:  
Substance is not listed.
- Chemicals known to cause reproductive toxicity:  
Substance is not listed.
- Cancerogenity categories
- EPA (Environmental Protection Agency)  
D
- IARC (International Agency for Research on Cancer)  
Substance is not listed.
- NTP (National Toxicology Program)  
Substance is not listed.

(Contd. on page 6)

Printing date 01/03/2005

Reviewed on 01/03/2005

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(Contd. of page 5)

- TLV (Threshold Limit Value established by ACGIH)

A4

- MAK (German Maximum Workplace Concentration)

Substance is not listed.

- NIOSH-Ca (National Institute for Occupational Safety and Health)

Substance is not listed.

- OSHA-Ca (Occupational Safety & Health Administration)

Substance is not listed.

- Product related hazard informations:

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

- Hazard symbols:



Xi Irritant

F Highly flammable

- Risk phrases:

11 Highly flammable.

36 Irritating to eyes.

66 Repeated exposure may cause skin dryness or cracking.

67 Vapours may cause drowsiness and dizziness.

- Safety phrases:

2 Keep out of the reach of children.

16 Keep away from sources of ignition - No smoking.

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	50-100

- Water hazard class:

Water hazard class 1 (Assessment by list): 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: Environment protection department.
- Contact: J.J. van Dijk