

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

- Product details
- Trade name: Epifanes Thinner D-100
- Application of the substance / the preparation
Thinner for various Epifanes paints
- Manufacturer/Supplier:
W.Heeren & Zoon BV
P.O. Box 166
Netherlands
Phone:(++31)297 360366
Fax :(++31)297 342078
- Further information obtainable from: Environment protection department.
- Information in case of emergency: See under Manufacturer/Supplier

2 Composition/information on ingredients

- Chemical characterization:
- CAS No. Description
64742-95-6 Solvent naphtha (petroleum), light arom.
- Identification number(s) n.a.
- Chemical characterization
- Description:
Solvent mixture
Mixture of organic solvents

3 Hazards identification

- Hazard description:
Xn Harmful
N Dangerous for the environment
- Information concerning particular hazards for human and environment:
R 10 Flammable.
R 37 Irritating to respiratory system.
R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R 65 Harmful: may cause lung damage if swallowed.

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.
- 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
Water with full jet

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- Protective equipment: Wear fully protective suit.

6 Accidental release measures

- Person-related safety precautions:
 - Ensure adequate ventilation
 - Keep away from ignition sources.
 - Wear protective clothing.
 - Wear protective equipment. Keep unprotected persons away.
- Measures for environmental protection:
 - Inform respective authorities in case of seepage into water course or sewage system.
 - 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.
 - Do not flush with water or aqueous cleansing agents

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 fire - and explosion protection:
 - 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.
 - Information about storage in one common storage facility:
 - Store away from foodstuffs.
 - Further information about storage conditions: Keep container tightly sealed.

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:
 - 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.

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- **Respiratory protection:**
Suitable respiratory protective device recommended.
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
- **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 trough 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
Colour:	Clear
Odour:	Specific type

• **Change in condition**

Melting point/Melting range:	-50°C
Boiling point/Boiling range:	160°C

• **Flash point:** 38°C

• **Ignition temperature:** 450°C

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

• **Explosion limits:**

Lower:	0.7 Vol %
Upper:	7.5 Vol %

• **Vapour pressure at 20°C:** 5 hPa

• **Density at 20°C:** 0.87 g/cm³

• **Solubility in / Miscibility with water at 20°C:** 0.05 g/l

• **Viscosity:**

Kinematic at 20°C:	1 mm ² /s
Organic solvents:	100.0 %
VOC content:	100.0 %
	876.0 g/l / 7.31 lb/gal

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10 Stability and reactivity

- Thermal decomposition / conditions to be avoided:
No decomposition if used according to specifications.
- Dangerous reactions Reacts with strong acids and oxidizing agents.
- Dangerous decomposition products:
Carbon monoxide and carbon dioxide
Aldehyde

11 Toxicological information

- Acute toxicity:

- LD/LC50 values relevant for classification:

64742-95-6 Solvent naphtha (petroleum), light arom.

Oral	LD50	>6800 mg/kg (rat)
Dermal	LD50	>3400 mg/kg (rab)
Inhalative	LC50/4 h	>10.2 mg/l (rat)

- Primary irritant effect:
 - on the skin: No irritant effect.
 - on the eye: No irritating effect.
- Sensitization:
Sensitizing effect through inhalation is possible by prolonged exposure.

12 Ecological information

- Ecotoxicological effects:
- Remark: Toxic for fish
- General notes:
Water hazard class 2 (German Regulation) (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.
Also poisonous for fish and plankton in water bodies.
Toxic for aquatic organisms

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 Flammable liquids.
- Danger code (Kemler): 30
- UN-Number: 1268
- Packaging group: III

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- Hazard label 3
- Description of goods: 1268 PETROLEUM DISTILLATES, N.O.S. (Solvent naphtha (petroleum), light arom., 1,3,5-TRIMETHYLBENZENE)
- Maritime transport IMDG:
- IMDG Class: 3
- UN Number: 1268
- Label 3
- Packaging group: III
- EMS Number: F-E,S-E
- Marine pollutant: ja
Yes
- Proper shipping name: PETROLEUM DISTILLATES, N.O.S.
- Air transport ICAO-TI and IATA-DGR:
- ICAO/IATA Class: 3
- UN/ID Number: 1268
- Label 3
- Packaging group: III
- Proper shipping name: PETROLEUM DISTILLATES, N.O.S.

15 Regulatory information

- Labelling according to EU guidelines:
The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.
- Code letter and hazard designation of product:



Xn Harmful
N Dangerous for the environment

- Risk phrases:
 - 10 Flammable.
 - 37 Irritating to respiratory system.
 - 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
 - 65 Harmful: may cause lung damage if swallowed.
- Safety phrases:
 - 2 Keep out of the reach of children.
 - 23 Do not breathe fumes/aerosol.
 - 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.
- National regulations:
- Technical instructions (air):

Class	Share in %
NK	50-100

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- Waterhazard class: Water hazard class 2 (Self-assessment): 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
- * Data compared to the previous version altered.

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