

Safety data sheet  
according to 1907/2006/EC, Article 31

Printing date 05.12.2022

Version number 12 (replaces version 11)

Revision: 05.12.2022

**SECTION 1: Identification of the substance/mixture and of the company/  
undertaking**

- 1.1 Product identifier
- Trade name: Epifanes Brushthinner for Paint & Varnish
- CAS Number:  
64742-48-9
- EC number:  
919-857-5
- Index number:  
649-327-00-6
- 1.2 Relevant identified uses of the substance or mixture and uses advised against
- Sector of Use  
SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)  
SU21 Consumer uses: Private households / general public / consumers
- Product category  
PC35 Washing and cleaning products (including solvent based products)  
PC0 Other
- Process category PROC19 Manual activities involving hand contact
- Environmental release category  
ERC5 Use at industrial site leading to inclusion into/onto article  
ERC8c Widespread use leading to inclusion into/onto article (indoor)  
ERC8f Widespread use leading to inclusion into/onto article (outdoor)
- Application of the substance / the mixture  
See our technical datasheet for application of this product.  
thinner for brush and roller application of one-component paints and varnishes
- 1.3 Details of the supplier of the safety data sheet
- Manufacturer/Supplier:  
W.Heeren & Zoon bv.  
Oosteinderweg 32  
1432 AL Aalsmeer  
Netherlands  
tel.+31 297-360366  
email: info@epifanes.nl  
  
Importer:  
ATL Composites  
12-14 Production Ave.  
QLD 4214 Molendinar  
Telephone  
+61 7 5563 1222 (Monday-Friday 8:30am-5:00pm)
- Further information obtainable from: Research & Development.
- 1.4 Emergency telephone number: +61 7 5563 1222 (Monday-Friday 8:30am-5:00pm)

**SECTION 2: Hazards identification**

- 2.1 Classification of the substance or mixture
- Classification according to Regulation (EC) No 1272/2008



flame

Flam. Liq. 3 H226 Flammable liquid and vapour.

(Contd. on page 2)

Safety data sheet  
according to 1907/2006/EC, Article 31

Printing date 05.12.2022

Version number 12 (replaces version 11)

Revision: 05.12.2022

Trade name: Epifanes Brushthinner for Paint & Varnish

(Contd. of page 1)



health hazard

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.



STOT SE 3 H336 May cause drowsiness or dizziness.

- 2.2 Label elements
- Labelling according to Regulation (EC) No 1272/2008  
The substance is classified and labelled according to the GB CLP regulation.
- Hazard pictograms



GHS02



GHS07



GHS08

- Signal word Danger
- Hazard-determining components of labelling:  
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclic, < 2% aromatics. (Note-P)
- Hazard statements  
H226 Flammable liquid and vapour.  
H336 May cause drowsiness or dizziness.  
H304 May be fatal if swallowed and enters airways.
- Precautionary statements  
P102 Keep out of reach of children.  
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P260 Do not breathe dust/fume/gas/mist/vapours/spray.  
P271 Use only outdoors or in a well-ventilated area.  
P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.  
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.  
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].  
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
- Additional information:  
EUH066 Repeated exposure may cause skin dryness or cracking.
- 2.3 Other hazards
- Results of PBT and vPvB assessment
- PBT: Not applicable.
- vPvB: Not applicable.

GB

(Contd. on page 3)

Safety data sheet  
according to 1907/2006/EC, Article 31

Printing date 05.12.2022

Version number 12 (replaces version 11)

Revision: 05.12.2022

Trade name: Epifanes Brushthinner for Paint & Varnish

(Contd. of page 2)

**SECTION 3: Composition/information on ingredients**

- 3.1 Substances
- CAS No. Description  
64742-48-9 Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclic, < 2% aromatics.  
(Note-P)
- Identification number(s)
- EC number: 919-857-5
- Index number: 649-327-00-6
- Description: Mixture of organic solvents

**SECTION 4: First aid measures**

- 4.1 Description of first aid measures
- General information: Immediately remove any clothing soiled by the product.
- After inhalation: Supply fresh air; consult doctor in case of complaints.
- After skin contact: Immediately rinse with water.
- After eye contact: Rinse opened eye for several minutes under running water.
- After swallowing: If symptoms persist consult doctor.
- 4.2 Most important symptoms and effects, both acute and delayed  
No further relevant information available.
- 4.3 Indication of any immediate medical attention and special treatment needed  
No further relevant information available.

**SECTION 5: Firefighting measures**

- 5.1 Extinguishing media
- Suitable extinguishing agents:  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- For safety reasons unsuitable extinguishing agents: Water with full jet
- 5.2 Special hazards arising from the substance or mixture  
During heating or in case of fire poisonous gases are produced.  
No further relevant information available.
- 5.3 Advice for firefighters
- Protective equipment:  
Wear fully protective suit.  
Mouth respiratory protective device.

**SECTION 6: Accidental release measures**

- 6.1 Personal precautions, protective equipment and emergency procedures  
Ensure adequate ventilation  
Mount respiratory protective device.  
Wear protective equipment. Keep unprotected persons away.
- 6.2 Environmental precautions:  
Prevent seepage into sewage system, workpits and cellars.

(Contd. on page 4)

Safety data sheet  
according to 1907/2006/EC, Article 31

Printing date 05.12.2022

Version number 12 (replaces version 11)

Revision: 05.12.2022

Trade name: Epifanes Brushthinner for Paint & Varnish

(Contd. of page 3)

- 6.3 Methods and material for containment and cleaning up:  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose contaminated material as waste according to item 13.  
Ensure adequate ventilation.
- 6.4 Reference to other sections  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

**SECTION 7: Handling and storage**

- 7.1 Precautions 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.  
Keep respiratory protective device available.
- 7.2 Conditions for safe storage, including any incompatibilities
- Storage:  
Requirements to be met by storerooms and receptacles:  
Store only in the original receptacle.
- Information about storage in one common storage facility: Not required.
- Further information about storage conditions: Keep container tightly sealed.
- 7.3 Specific end use(s) No further relevant information available.

**SECTION 8: Exposure controls/personal protection**

- 8.1 Control parameters
- Ingredients with limit values that require monitoring at the workplace:  
Not required.

Not required.

- DNEL (Derived No Effect Level) voor professionals

64742-48-9 Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclic, < 2% aromatics. (Note-P)

Dermal	Long-term - systemic effects.	77 mg/kg/day (Employees)
Inhalative	Long-term - systemic effects.	871 mg/m <sup>3</sup> (Employees)

- DNEL (Derived No Effect Level) for general audience

64742-48-9 Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclic, < 2% aromatics. (Note-P)

Oral	Long-term systemic effects.	46 mg/kg bw/day (General population)
Dermal	Long-term - systemic effects.	46 mg/kg bw/day (General population)
Inhalative	Long-term - systemic effects.	185 mg/m <sup>3</sup> (General population)

(Contd. on page 5)

Safety data sheet  
according to 1907/2006/EC, Article 31

Printing date 05.12.2022

Version number 12 (replaces version 11)

Revision: 05.12.2022

Trade name: Epifanes Brushthinner for Paint & Varnish

(Contd. of page 4)

- Additional information: The lists valid during the making were used as basis.
- 8.2 Exposure controls
- Appropriate engineering controls No further data; see item 7.
- Individual protection measures, such as 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.
- Respiratory protection:  
Suitable respiratory protective device recommended.  
Filter AX  
In case of short or low load, breathing filter device; in the case of intensive or prolonged exposure, use a breathing apparatus independent of the surrounding air. A half-face mask for organic vapours and solvents according to EN140 type A1 or A2 is recommended.
- Hand protection



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.
- For the permanent contact of a maximum of 15 minutes gloves made of the following materials are suitable:  
Butyl rubber, BR
- As protection from splashes gloves made of the following materials are suitable:  
Cloropene; handglove thickness >0.7mm, penetration time >60min. according EN374.  
Nitrilrubber; handglove thickness >0.3mm, penetration time >60min. according EN374.
- Eye/face protection



Tightly sealed goggles

Safety data sheet  
according to 1907/2006/EC, Article 31

Printing date 05.12.2022

Version number 12 (replaces version 11)

Revision: 05.12.2022

Trade name: Epifanes Brushthinner for Paint & Varnish

(Contd. of page 5)

**SECTION 9: Physical and chemical properties**

- 9.1 Information on basic physical and chemical properties
- General Information
- Physical state Fluid
- Colour: Clear
- Odour: Characteristic
- Odour threshold: Not determined.
- Melting point/freezing point: Undetermined.
- Boiling point or initial boiling point and boiling range 154 °C
- Flammability Flammable.
- Lower and upper explosion limit
- Lower: 1.5 Vol %
- Upper: 10.8 Vol %
- Flash point: 41 °C (NFEN ISO2719)
- Decomposition temperature: Not determined.
- pH Not determined.
- Viscosity:
- Kinematic viscosity at 40 °C 1.02 mm<sup>2</sup>/s
- Dynamic at 20 °C: 1.2 mPas
- Solubility
- water: Not miscible or difficult to mix.
- Partition coefficient n-octanol/water (log value) Not determined.
- Vapour pressure: Not determined.
- Density and/or relative density
- Density at 20 °C: 0.77 g/cm<sup>3</sup>
- Relative density Not determined.
- Vapour density Not determined.
- 9.2 Other information
- Appearance:
- Form: Fluid
- Important information on protection of health and environment, and on safety.
- Auto-ignition temperature: Not determined.
- Explosive properties: Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
- Solvent content:
- Organic solvents: 100.0 %
- VOC content: 100.00 %  
VOC content:  
770.0 g/l / 6.43 lb/gal
- Change in condition
- Evaporation rate Not determined.
- Information with regard to physical hazard classes
- Explosives Void
- Flammable gases Void
- Aerosols Void

(Contd. on page 7)

Safety data sheet  
according to 1907/2006/EC, Article 31

Printing date 05.12.2022

Version number 12 (replaces version 11)

Revision: 05.12.2022

Trade name: Epifanes Brushthinner for Paint & Varnish

(Contd. of page 6)

· Oxidising gases	Void
· Gases under pressure	Void
· Flammable liquids	Flammable liquid and vapour.
· Flammable solids	Void
· Self-reactive substances and mixtures	Void
· Pyrophoric liquids	Void
· Pyrophoric solids	Void
· Self-heating substances and mixtures	Void
· Substances and mixtures, which emit flammable gases in contact with water	Void
· Oxidising liquids	Void
· Oxidising solids	Void
· Organic peroxides	Void
· Corrosive to metals	Void
· Desensitised explosives	Void

**SECTION 10: Stability and reactivity**

- 10.1 Reactivity No further relevant information available.
- 10.2 Chemical stability
- Thermal decomposition / conditions to be avoided:  
No decomposition if used according to specifications.
- 10.3 Possibility of hazardous reactions No dangerous reactions known.
- 10.4 Conditions to avoid No further relevant information available.
- 10.5 Incompatible materials: No further relevant information available.
- 10.6 Hazardous decomposition products:  
Partial burning or pyrolysis develops soot and gases CO, CO<sub>2</sub>, different hydrocarbons, aldehydes etc. Which could be toxic.  
Breathing in could be dangerous.

**SECTION 11: Toxicological information**

- 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008
- Acute toxicity  
Based on available data, the classification criteria are not met.
- STOT-single exposure May cause drowsiness or dizziness.
- Aspiration hazard May be fatal if swallowed and enters airways.
- 11.2 Information on other hazards

· Endocrine disrupting properties

Substance is not listed.

**SECTION 12: Ecological information**

- 12.1 Toxicity
- Aquatic toxicity: No further relevant information available.
- 12.2 Persistence and degradability No further relevant information available.
- 12.3 Bioaccumulative potential No further relevant information available.
- 12.4 Mobility in soil No further relevant information available.

(Contd. on page 8)

Safety data sheet  
according to 1907/2006/EC, Article 31

Printing date 05.12.2022

Version number 12 (replaces version 11)

Revision: 05.12.2022

Trade name: Epifanes Brushthinner for Paint & Varnish



(Contd. of page 7)

- 12.5 Results of PBT and vPvB assessment
- PBT: Not applicable.
- vPvB: Not applicable.
- 12.6 Endocrine disrupting properties
- The product does not contain substances with endocrine disrupting properties.
- 12.7 Other adverse effects
- Additional ecological information:
- General notes: Not hazardous for water.

**SECTION 13: Disposal considerations**

- 13.1 Waste treatment methods
- 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.

**SECTION 14: Transport information**

- |                                   |   |
|-----------------------------------|---|
| · 14.1 UN number or ID number     |   |
| · ADR, IMDG, IATA                 | UN1263  |
| · 14.2 UN proper shipping name    |   |
| · ADR                             | 1263 PAINT RELATED MATERIAL   |
| · IMDG, IATA                      | PAINT RELATED MATERIAL  |
| · 14.3 Transport hazard class(es) |   |
| · ADR                             |   |
|                                   |  |
| · Class                           | 3 (F1) Flammable liquids.   |
| · Label                           | 3   |
| · IMDG, IATA                      |   |
|                                   |  |
| · Class                           | 3 Flammable liquids.  |
| · Label                           | 3   |
| · 14.4 Packing group              |   |
| · ADR, IMDG, IATA                 | III   |
| · 14.5 Environmental hazards:     |   |
| · Marine pollutant:               | No  |

(Contd. on page 9)



Safety data sheet  
according to 1907/2006/EC, Article 31

Printing date 05.12.2022

Version number 12 (replaces version 11)

Revision: 05.12.2022

Trade name: Epifanes Brushthinner for Paint & Varnish

(Contd. of page 8)

- |  |   |
|--|---|
| · 14.6 Special precautions for user                            | Warning: Flammable liquids.                       |
| · Hazard identification number (Kemler code):                  | 30  |
| · EMS Number:  | F-E, S-E  |
| · Stowage Category   | A   |
| · 14.7 Maritime transport in bulk according to IMO instruments |   |
| Not applicable.  |   |
| · Transport/Additional information:                            |   |
| · ADR  |   |
| · Limited quantities (LQ)                                      | 5L  |
| · Excepted quantities (EQ)                                     | Code: E1  |
|  | Maximum net quantity per inner packaging: 30 ml   |
|  | Maximum net quantity per outer packaging: 1000 ml |
| · Transport category   | 3   |
| · Tunnel restriction code                                      | D/E   |
| · IMDG   |   |
| · Limited quantities (LQ)                                      | 5L  |
| · Excepted quantities (EQ)                                     | Code: E1  |
|  | Maximum net quantity per inner packaging: 30 ml   |
|  | Maximum net quantity per outer packaging: 1000 ml |
| · UN "Model Regulation":                                       | UN 1263 PAINT RELATED MATERIAL, 3, III            |

**SECTION 15: Regulatory information**

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
  - Directive 2012/18/EU
  - Named dangerous substances - ANNEX I Substance is not listed.
  - Seveso category P5c FLAMMABLE LIQUIDS
  - Qualifying quantity (tonnes) for the application of lower-tier requirements 5,000 t
  - Qualifying quantity (tonnes) for the application of upper-tier requirements 50,000 t
  - National regulations:
  - Technical instructions (air):
- |       |            |
|-------|------------|
| Class | Share in % |
| NK    | 50-100     |
- Waterhazard class: Generally not hazardous for water.

(Contd. on page 10)

Safety data sheet  
according to 1907/2006/EC, Article 31

Printing date 05.12.2022

Version number 12 (replaces version 11)

Revision: 05.12.2022

Trade name: Epifanes Brushthinner for Paint & Varnish

(Contd. of page 9)

- 15.2 Chemical safety assessment:  
A Chemical Safety Assessment has been carried out.

**SECTION 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 SDS: Research & Development.
- Contact: J.J. van Dijk, tel: +31 297 360678, email: rend@epifanes.nl
- Abbreviations and acronyms:
  - RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
  - ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
  - IMDG: International Maritime Code for Dangerous Goods
  - IATA: International Air Transport Association
  - GHS: Globally Harmonised System of Classification and Labelling of Chemicals
  - EINECS: European Inventory of Existing Commercial Chemical Substances
  - CAS: Chemical Abstracts Service (division of the American Chemical Society)
  - VOC: Volatile Organic Compounds (USA, EU)
  - DNEL: Derived No-Effect Level (UK REACH)
  - PBT: Persistent, Bioaccumulative and Toxic
  - vPvB: very Persistent and very Bioaccumulative
  - Flam. Liq. 3: Flammable liquids - Category 3
  - STOT SE 3: Specific target organ toxicity (single exposure) - Category 3
  - Asp. Tox. 1: Aspiration hazard - Category 1
- \* Data compared to the previous version altered.

**Annex: Exposure scenario**

- Short title of the exposure scenario
- Sector of Use
  - SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
  - SU21 Consumer uses: Private households / general public / consumers
- Product category
  - PC35 Washing and cleaning products (including solvent based products)
  - PC0 Other
- Process category PROC19 Manual activities involving hand contact
- Environmental release category
  - ERC5 Use at industrial site leading to inclusion into/onto article
  - ERC8c Widespread use leading to inclusion into/onto article (indoor)
  - ERC8f Widespread use leading to inclusion into/onto article (outdoor)
- Description of the activities / processes covered in the Exposure Scenario  
See section 1 of the annex to the Safety Data Sheet.
- Conditions of use
- Duration and frequency 5 workdays/week.
- Physical parameters
- Physical state Fluid
- Concentration of the substance in the mixture Raw material.
- Used amount per time or activity Smaller than 100 g per application.

(Contd. on page 11)

Safety data sheet  
according to 1907/2006/EC, Article 31

Printing date 05.12.2022

Version number 12 (replaces version 11)

Revision: 05.12.2022

Trade name: Epifanes Brushthinner for Paint & Varnish

(Contd. of page 10)

- Other operational conditions
- Other operational conditions affecting environmental exposure  
No special measures required.
- Other operational conditions affecting worker exposure  
Take precautionary measures against static discharge.  
Keep away from sources of ignition - No smoking.  
Indoor application.  
Outdoor application.
- Other operational conditions affecting consumer exposure  
Keep out of the reach of children.
- Other operational conditions affecting consumer exposure during the use of the product  
Not applicable.
- Risk management measures
- Worker protection
- Organisational protective measures No special measures required.
- Technical protective measures  
Ensure that suitable extractors are available on processing machines  
Provide explosion-proof electrical equipment.
- Personal protective measures  
Do not inhale gases / fumes / aerosols.  
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
- Measures for consumer protection  
Ensure adequate labelling.  
Keep locked up and out of the reach of children.
- Environmental protection measures
- Water No special measures required.
- Disposal measures Ensure that waste is collected and contained.
- Disposal procedures  
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- Waste type Partially emptied and uncleaned packaging
- Exposure estimation
- Worker (inhalation)  
Coatings and paints, thinners, paint strippers Water-bound latex wall paint PC09A  
Includes the application up to 1 time a day  
Includes application up to 4 days / year  
Includes a skin contact area of up to 428.75 cm<sup>2</sup>  
For each application case, used quantities include up to 2760 grams  
Includes the application in typical household ventilation.  
Includes the application in a space of 20 m<sup>3</sup> size  
Includes exposure up to 2.2 hours (hours)  
Liquid, vapor pressure <0.5 kPa at STP.  
Includes application at ambient temperature.  
Includes concentrations of up to 1.5%  
Coatings and paints, thinners, paint strippers Highly soluble water spray

(Contd. on page 12)

Safety data sheet  
according to 1907/2006/EC, Article 31

Printing date 05.12.2022

Version number 12 (replaces version 11)

Revision: 05.12.2022

Trade name: Epifanes Brushthinner for Paint & Varnish

(Contd. of page 11)

PC09A

Includes the application up to 1 time a day

Includes application up to 6 days / year

Includes a skin contact area of up to 428.75 cm<sup>2</sup>

For each application case, used quantities include up to 744 grams

Includes the application in typical household ventilation.

Includes the application in a space of 20 m<sup>3</sup> size

Includes exposure up to 2.2 hours (hours)

Liquid, vapor pressure <0.5 kPa at STP.

Includes application at ambient temperature.

Includes concentrations of up to 27.5%

Coatings and paints, thinners, paint strippers Aerosol spray gun PC09A

Includes concentrations of up to 50%

Includes the application up to 1 time a day

Includes application up to 2 days / year

For each application case, used quantities include up to 215 grams

Includes the application in a separate garage (34 m<sup>3</sup>) with typical ventilation.

Includes the application for a space of 34 m<sup>3</sup> size

Includes exposure up to 0.33 hours (hours)

Liquid, vapor pressure <0.5 kPa at STP.

Includes application at ambient temperature.

Includes a skin contact area of up to 857.5 cm<sup>2</sup>

Coatings and paints, thinners, paint strippers Removal means (wax removal agents,

Adhesive, carpet and sealants) PC09A

Includes the application up to 1 time a day

Includes application up to 3 days / year

Includes a skin contact area of up to 857.5 cm<sup>2</sup>

For each application case, used quantities include up to 491 grams

Includes the application in typical household ventilation.

Includes the application in a space of 20 m<sup>3</sup> size

Includes exposure to up to 2 hours (hours)

Includes application at ambient temperature.

Liquid, vapor pressure <0.5 kPa at STP.

Includes concentrations of up to 50%

· Consumer

Not relevant for this Exposure Scenario.

Detailed information on the exposure estimation can be found at <http://www.ecetoc.org/tra>.

The highest inhalative exposure to be expected for consumers is  
ppm.

The highest dermal exposure to be expected for consumers is  
mg / kg / day.

The highest oral exposure to be expected for consumers is  
mg / kg / day.

· Guidance for downstream users No further relevant information available.