

1 Identification

- Product identifier
- Trade name: Epifanes Woodfinish matte
- Relevant identified uses of the substance or mixture and uses advised against
No further relevant information available.
- Application of the substance / the preparation
one-component satin varnish-like finish
- Details of the supplier of the safety data sheet
- Manufacturer/Supplier:
W.Heeren & Zoon bv.
P.O. box 166
1430 AD Aalsmeer
Netherlands
tel.+31-(0)297-360366
fax +31-(0)297-342078
email: r&d@epifanes.nl
- Information department: environment protection department
- Emergency telephone number:
W.Heeren & Zoon bv. tel: +31 297 360678, E-mail: r&d@epifanes.nl
Kantooruren: werkdagen van 08:00 tot 17:00 uur.
NVIC, Tel. +31 30 2748888
Uitsluitend bestemd om professionele hulpverleners te informeren bij acute vergiftigingen!
See manufacturer/supplier

2 Hazard(s) identification

- Classification of the substance or mixture



GHS02 Flame

H226 Flammable liquid and vapour.



GHS07


H317 May cause an allergic skin reaction.

- Classification according to Directive 67/548/EEC or Directive 1999/45/EC
R10-66: Flammable. Repeated exposure may cause skin dryness or cracking.
- 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.
At long or repeated contact with skin it may cause dermatitis due to the degreasing effect of the solvent.
- Classification system:
The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.
- Label elements
- GHS label elements
The product is classified and labeled according to the Globally Harmonized System (GHS).
- Hazard pictograms GHS02, GHS07
- Signal word Warning

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- Hazard-determining components of labeling:
2-butanone oxime
 - Hazard statements
H226 Flammable liquid and vapour.
H317 May cause an allergic skin reaction.
 - Precautionary statements
P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read label before use.
P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P241 Use explosion-proof electrical/ventilating/lighting/equipment.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P321 Specific treatment (see on this label).
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
 - Classification system:
 - NFPA ratings (scale 0 - 4)
- 




Health = 0
Fire = 2
Reactivity = 0
- HMIS-ratings (scale 0 - 4)
- | | |
|------------|---|
| HEALTH | 0 |
| FIRE | 2 |
| REACTIVITY | 0 |

Health = 0
Fire = 2
Reactivity = 0
- Other hazards
 - Results of PBT and vPvB assessment
 - PBT: Not applicable.
 - vPvB: Not applicable.

3 Composition/information on ingredients

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

Dangerous components:

64742-48-9	naphta (petroleum), hydrotreated heavy  Xn R65 R10-66 <hr style="border-top: 1px dashed black;"/>  H226  H304	25-50%
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107-98-2	1-methoxy-2-propanol R10 H226	≤ 2.5%
64742-95-6	petroleum, nafta, licht aromatisch Xn R65 Xi R36/38 N R51/53 R10 H226 H304 H315; H319	≤ 2.5%
96-29-7	2-butanone oxime Xn R21-40 Xi R41-43 Carc. Cat. 3 H351 H318 H312; H317 H227	≤ 2.5%
127519-17-9	A mixture of branched and linear C7-C9 alkyl 3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethyl-ethyl)-4-hydroxyphenyl]propionates N R51/53	≤ 2.5%
95-63-6	1,2,4-trimethylbenzene Xn R20 Xi R36/37/38 N R51/53 R10 H226 H332; H315; H319; H335	≤ 2.5%
136-52-7	cobalt bis(2-ethylhexanoate) Xn R22 N R50/53 H301	≤ 2.5%

· Additional information:

For the wording of the listed risk phrases refer to section 16.

4 First-aid measures

- Description of 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.
- Information for doctor:
- Most important symptoms and effects, both acute and delayed
No further relevant information available.
- Indication of any immediate medical attention and special treatment needed
No further relevant information available.

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5 Fire-fighting measures

- Extinguishing media
- Suitable extinguishing agents:
CO₂, 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
- Special hazards arising from the substance or mixture
No further relevant information available.
- Advice for firefighters
- Protective equipment: No special measures required.

* 6 Accidental release measures

- Personal precautions, protective equipment and emergency procedures
Ensure adequate ventilation
Wear protective equipment. Keep unprotected persons away.
- Environmental precautions:
Do not allow to enter sewers/ surface or ground water.
- Methods and material for containment and cleaning up:
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Ensure adequate ventilation.
- 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.

* 7 Handling and storage

- Handling:
- Precautions 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:
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
- Conditions for safe storage, including any incompatibilities
- 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: Keep receptacle tightly sealed.
- Specific end use(s) No further relevant information available.

* 8 Exposure controls/personal protection

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

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· Control parameters

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

107-98-2 1-methoxy-2-propanol

REL	Short-term value: 540 mg/m ³ , 150 ppm Long-term value: 360 mg/m ³ , 100 ppm
TLV	Short-term value: 369 mg/m ³ , 100 ppm Long-term value: 184 mg/m ³ , 50 ppm

· Additional information:

The lists that were valid during the creation were used as basis.

· Exposure controls

· Personal protective equipment:

· General protective and hygienic measures:

Wash hands before breaks and at the end of work.

Do not inhale gases / fumes / aerosols.

· Breathing equipment:

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 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.

· 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

· Information on basic physical and chemical properties

· General Information

· Appearance:

Form: Fluid

Color: According to product specification

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· Odor:	Characteristic
· Odour threshold:	Not determined.
· pH-value:	Not determined.
· Change in condition	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	150 °C (302 °F)
· Flash point:	> 42 °C (> 108 °F)
· Flammability (solid, gaseous):	Not applicable.
· Ignition temperature:	240.0 °C (464 °F)
· Decomposition temperature:	Not determined.
· 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:	0.6 Vol %
Upper:	7.0 Vol %
· Vapor pressure at 20 °C (68 °F):	1.0 hPa (1 mm Hg)
· Density at 20 °C (68 °F):	0.92854 g/cm ³ (7.749 lbs/gal)
· Relative density	Not determined.
· Vapour density	Not determined.
· Evaporation rate	Not determined.
· Solubility in / Miscibility with	
Water:	Not miscible or difficult to mix.
· Partition coefficient (n-octanol/water):	Not determined.
· Viscosity:	
Dynamic:	Not determined.
Kinematic at 20 °C (68 °F):	35 s (ISO 6 mm)
· Solvent content:	
Organic solvents:	48.1 %
VOC content:	48.1 %
	VOC content:
	473.6 g/l / 3.95 lb/gl
Solids content:	51.9 % (SC % 1h150 C)
· Other information	No further relevant information available.

10 Stability and reactivity

- Reactivity
- Chemical stability
- Thermal decomposition / conditions to be avoided:
No decomposition if used according to specifications.
- Possibility of hazardous reactions No dangerous reactions known.
- Conditions to avoid No further relevant information available.
- Incompatible materials: No further relevant information available.

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- Hazardous decomposition products: No dangerous decomposition products known.

11 Toxicological information

- Information on toxicological effects
- Acute toxicity:
- Primary irritant effect:
- on the skin: No irritant effect.
- on the eye: No irritating effect.
- Sensitization: No sensitizing effects known.
- Additional toxicological information:
- Carcinogenic categories

IARC (International Agency for Research on Cancer)		
7631-86-9	silicon dioxide, chemically prepared	3
136-52-7	cobalt bis(2-ethylhexanoate)	2B
1330-20-7	xylene	3

- NTP (National Toxicology Program)
- None of the ingredients is listed.

12 Ecological information

- Toxicity
- Aquatic toxicity: No further relevant information available.
- Persistence and degradability No further relevant information available.
- Behavior in environmental systems:
- Bioaccumulative potential No further relevant information available.
- Mobility in soil No further relevant information available.
- Additional ecological information:
- General notes:
 Water hazard class 1 (Self-assessment): slightly hazardous for water
 Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- Results of PBT and vPvB assessment
- PBT: Not applicable.
- vPvB: Not applicable.
- Other adverse effects No further relevant information available.

13 Disposal considerations

- Waste treatment methods
- 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

- UN-Number
- DOT, ADR, IMDG, IATA UN1263

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<ul style="list-style-type: none"> · UN proper shipping name · DOT · ADR · IMDG · IATA 	<p>CONSUMER COMMODITY, ORM-D Paint 1263 Paint CONSUMER COMMODITY, ORM-D PAINT PAINT</p>
<ul style="list-style-type: none"> · Transport hazard class(es) · DOT 	
 <ul style="list-style-type: none"> · Class · Label 	<p>3 Flammable liquids. 3</p>
<ul style="list-style-type: none"> · ADR 	
 <ul style="list-style-type: none"> · Class · Label 	<p>3 (F1) Flammable liquids 3</p>
<ul style="list-style-type: none"> · IMDG, IATA 	
 <ul style="list-style-type: none"> · Class · Label 	<p>3 Flammable liquids. 3</p>
<ul style="list-style-type: none"> · Packing group · DOT, ADR, IMDG, IATA 	<p>III</p>
<ul style="list-style-type: none"> · Environmental hazards: · Marine pollutant: 	<p>No</p>
<ul style="list-style-type: none"> · Special precautions for user · Danger code (Kemler): · EMS Number: 	<p>Warning: Flammable liquids 30 F-E, S-E</p>
<ul style="list-style-type: none"> · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code 	<p>Not applicable.</p>
<ul style="list-style-type: none"> · Transport/Additional information: · DOT · Remarks: 	<p>CERCLA/DOT RQ: 617gal./4786 lbs.</p>
<ul style="list-style-type: none"> · IMDG · Remarks: 	<p>System Reference Code:5</p>
<ul style="list-style-type: none"> · UN "Model Regulation": 	<p>UN1263, Paint, 3, III</p>

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15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture
- Sara

· Section 355 (extremely hazardous substances):

None of the ingredient is listed.

· Section 313 (Specific toxic chemical listings):

95-63-6 1,2,4-trimethylbenzene

1330-20-7 xylene

98-82-8 cumene

· TSCA (Toxic Substances Control Act):

64742-48-9 naphta (petroleum), hydrotreated heavy

7631-86-9 silicon dioxide, chemically prepared

107-98-2 1-methoxy-2-propanol

64742-95-6 petroleum, nafta, licht aromatisch

96-29-7 2-butanone oxime

127519-17-9 A mixture of branched and linear C7-C9 alkyl 3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethyl-ethyl)-4-hydroxyphenyl] propionates

129757-67-1 mengsel van: bis(2,2,6,6-tetramethyl-1-octyloxypiperidin-4-yl)-1,10-decandioaat; 1,8-bis[(2,2,6,6-tetramethyl-4-((2,2,6,6-tetramethyl-1-octyloxypiperidin-4-yl)-decaan-1,10-dioyl)piperidin-1-yl)oxy]octaan

108-83-8 2,6-dimethylheptan-4-one

25551-13-7 trimethylbenzene

95-63-6 1,2,4-trimethylbenzene

136-52-7 cobalt bis(2-ethylhexanoate)

108-67-8 mesitylene

1330-20-7 xylene

98-82-8 cumene

1589-47-5 2-methoxypropanol

· Proposition 65

· Chemicals known to cause cancer:

98-82-8 cumene

· Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

· Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

· Chemicals known to cause developmental toxicity:

None of the ingredients is listed.

· Cancerogenity categories

· EPA (Environmental Protection Agency)

1330-20-7 xylene

I

98-82-8 cumene

CBD

· TLV (Threshold Limit Value established by ACGIH)

1330-20-7 xylene

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- MAK (German Maximum Workplace Concentration)

96-29-7	2-butanone oxime	2
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- 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.

- National regulations:

- Technical instructions (air):

Class	Share in %
I	≤ 2,5
NK	50-100

- Water hazard class:

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

- Chemical safety assessment:

A Chemical Safety Assessment has not been carried out.

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.

- 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)

ICAO: International Civil Aviation Organization

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

VOC: Volatile Organic Compounds (USA, EU)

- * Data compared to the previous version altered.