

1 Identification

- Product identifier
- Trade name: Epifanes Combi Filler
- Relevant identified uses of the substance or mixture and uses advised against
- Product category PC9b Fillers, putties, plasters, modelling clay
- Application of the substance / the mixture
See our technical datasheet for application of this product.
- 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:
Emergency Phone Number (24 hours) CHEMTREC (800-424-9300)
Outside US: 703-527-3887

2 Hazard(s) identification

- Classification of the substance or mixture
The product is not classified according to the Globally Harmonized System (GHS).
- Classification according to Directive 67/548/EEC or Directive 1999/45/EC
R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- 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.
- 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 Void
- Hazard pictograms Void
- Signal word Void
- Hazard statements Void
- Precautionary statements
P273 Avoid release to the environment.
P312 Call a poison center/doctor/if you feel unwell.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
- Classification system:
- NFPA ratings (scale 0 - 4)



Health = 0
Fire = 3
Reactivity = 0

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· HMIS-ratings (scale 0 - 4)

HEALTH	0
FIRE	3
REACTIVITY	0

Health = 0
Fire = 3
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:
Mixture of the substances listed below with nonhazardous additions.

· Dangerous components:

CAS: 64742-82-1 EINECS: 265-185-4 Index number: 649-330-00-2 Reg.nr.: 01-2119490979-12	Naphtha (petroleum), hydrodesulfurized heavy (Note-P) Xn R65 N R51/53 R10-66-67 Carc. Cat. 2, Muta. Cat. 2 ----- Flam. Liq. 1, H224 Muta. 1B, H340; Carc. 1B, H350; STOT RE 1, H372; Asp. Tox. 1, H304	2.5-10%
CAS: 14808-60-7 EINECS: 238-878-4 Reg.nr.: under C&L Inventory	Quartz (SiO2) Carc. 1A, H350	2.5-10%
CAS: 111-84-2 EINECS: 203-913-4 Reg.nr.: 01-2119458049-33	nonane Xn R65 N R51/53 R10-66-67 ----- Flam. Liq. 3, H226	≤ 2.5%
CAS: 64742-48-9 EINECS: 265-150-3 Reg.nr.: 01-2119463258-33	Naphtha (petroleum), hydrotreated heavy (Note-p) Xn R65 R10-66 ----- Flam. Liq. 3, H226 Asp. Tox. 1, H304	≤1%
CAS: 68412-54-4 Reg.nr.: 01-2119485218-3	Polyethylen Nonyl Phenol Xn R22 Xi R36/38 N R51/53 ----- Acute Tox. 3, H301 Skin Irrit. 2, H315; Eye Irrit. 2A, H319	≤0.5%

· Additional information:

Note P: The substance does not have to be classified as a carcinogen or mutagen as can be shown that the substance contains less than 0.1% (w / w) benzene (EINECS No 200-753-7.). This note applies only to certain complex oil-derived substances in Part 3.

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

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* **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.

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.
- 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
Not required.
- Environmental precautions:
Inform respective authorities in case of seepage into water course or sewage system.
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).
- 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
No special precautions are necessary if used correctly.
- Information about protection against explosions and fires:
No special measures required.
- 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: None.

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- 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.
- Control parameters

· Components with limit values that require monitoring at the workplace:		
64742-82-1 Naphtha (petroleum), hydrodesulfurized heavy (Note-P)		
Inhalative	(Tgg)time weighted average 8 hours / Exposure time	575 mg/m ³ (Consument/ Consumer)
14808-60-7 Quartz (SiO ₂)		
Inhalative	(Tgg)time weighted average 8 hours / Exposure time	0.075 mg/m ³ (general population)
14808-60-7 Quartz (SiO ₂)		
PEL	see Quartz listing	
REL	Long-term value: 0.05* mg/m ³ *respirable dust; See Pocket Guide App. A	
TLV	Long-term value: 0.025* mg/m ³ *as respirable fraction	
111-84-2 nonane		
REL	Long-term value: 1050 mg/m ³ , 200 ppm	
TLV	Long-term value: 1050 mg/m ³ , 200 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.
- Breathing equipment: Not required.
- Protection of hands:
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 trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

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- For the permanent contact gloves made of the following materials are suitable:
nitrile rubber;
recommended glove thickness > 0.45mm. permeability / permeation time: > 480 min.
according to EN 374.
- Eye protection: Goggles recommended during refilling.

9 Physical and chemical properties

- Information on basic physical and chemical properties
- General Information
- Appearance:
 - Form: Solid
 - Color: According to product specification
- Odor: Characteristic
- Odour threshold: Not determined.
- pH-value: Not determined.
- Change in condition
 - Melting point/Melting range: Undetermined.
 - Boiling point/Boiling range: 180 °C (356 °F)
- Flash point: 37 °C (99 °F)
- Flammability (solid, gaseous): Not applicable.
- Ignition temperature: 240 °C (464 °F)
- Decomposition temperature: Not determined.
- Auto igniting: Product is not selfigniting.
- Danger of explosion: Product does not present an explosion hazard.
- Explosion limits:
 - Lower: 0.6 Vol %
 - Upper: 7.0 Vol %
- Vapor pressure at 20 °C (68 °F): 1 hPa (1 mm Hg)
- Density at 20 °C (68 °F): 1.83 g/cm³ (15.271 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: Not determined.
- Solvent content:
 - Organic solvents: 11.0 %
 - VOC content: 11.0 %
 - VOC content: 201.3 g/l / 1.68 lb/gl
- Solids content: 88.8 %

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· 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.
- Hazardous decomposition products: No dangerous decomposition products known.

11 Toxicological information

- Information on toxicological effects
- Acute toxicity:

· LD/LC50 values that are relevant for classification:
64742-48-9 Naphtha (petroleum), hydrotreated heavy (Note-p)

Oral	LD50	>5000 mg/kg bw (rat)
Dermal	LD50	>5000 mg/kg bw (rabbit) ((24h))
Inhalative	LC50	>5000 mg/m ³ (vapour) (rat) ((8h))

- 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)		
14808-60-7	Quartz (SiO ₂)	1

· NTP (National Toxicology Program)		
14808-60-7	Quartz (SiO ₂)	K

· OSHA-Ca (Occupational Safety & Health Administration)
None of the ingredients is listed.

12 Ecological information

· Toxicity

· Aquatic toxicity:
64742-48-9 Naphtha (petroleum), hydrotreated heavy (Note-p)

EL50 (48h)	>1000 mg/l ((Daphnia magna-OECD 202))
EbL50 (72h)	>1000 mg/l (Pseudokirchneriella subcapitata-OECD 201)
ErL (72h)	>1000 mg/l (Pseudokirchneriella subcapitata-OECD 201)
LL50 (96h)	>1000 mg/l ((Onorhynchus mykiss OECD 203))
NOELR (72h)	3 mg/l ((Pseudo. subcapitata-biomass-OECD 201))
	100 mg/l ((Pseudo. subcap. growth rate OECD 201))

- Persistence and degradability No further relevant information available.

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- Behavior in environmental systems:
- Bioaccumulative potential No further relevant information available.
- Mobility in soil No further relevant information available.
- Ecotoxicological effects:
- Remark: Harmful to fish
- 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.
Harmful to aquatic organisms
- 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
- ADN Void
- UN proper shipping name
- DOT CONSUMER COMMODITY, ORM-D
Paint related material
- ADR 1263 Paint related material
- ADN Void
- IMDG CONSUMER COMMODITY, ORM-D
PAINT RELATED MATERIAL
- IATA PAINT RELATED MATERIAL
- Transport hazard class(es)
- DOT, ADR, ADN, IMDG, IATA
- Class Void
- Packing group
- DOT, ADR III
- IMDG, IATA Void
- Environmental hazards:
- Marine pollutant: No
- Special precautions for user Not applicable.
- Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable.

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· Transport/Additional information:	
· DOT	
· Quantity limitations	On passenger aircraft/rail: 60 L On cargo aircraft only: 220 L
· Remarks:	CERCLA/DOT RQ: 617gal./4786 lbs.

· ADR	
· Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· UN "Model Regulation":	UN1263, Paint related material, III

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):
None of the ingredients is listed.

· TSCA (Toxic Substances Control Act):
64742-82-1 Naphtha (petroleum), hydrodesulfurized heavy (Note-P)
14808-60-7 Quartz (SiO2)
111-84-2 nonane
64742-48-9 Naphtha (petroleum), hydrotreated heavy (Note-p)
68412-54-4 Polyethylen Nonyl Phenol

· Proposition 65
· Chemicals known to cause cancer:
14808-60-7 Quartz (SiO2)

· 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)
None of the ingredients is listed.

· TLV (Threshold Limit Value established by ACGIH)	
14808-60-7 Quartz (SiO2)	A2

· MAK (German Maximum Workplace Concentration)	
14808-60-7 Quartz (SiO2)	1

· NIOSH-Ca (National Institute for Occupational Safety and Health)
14808-60-7 Quartz (SiO2)

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- GHS label elements Void
- Hazard pictograms Void
- Signal word Void
- Hazard statements Void
- Precautionary statements
 - P273 Avoid release to the environment.
 - P312 Call a poison center/doctor/if you feel unwell.
 - P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
- National regulations:
- Technical instructions (air):

Class	Share in %
NK	10-25
- 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.

- Date of preparation / last revision 03/31/2015 / 2
- 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 Organisation
 - 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)
 - HMS: Hazardous Materials Identification System (USA)
 - VOC: Volatile Organic Compounds (USA, EU)
 - LC50: Lethal concentration, 50 percent
 - LD50: Lethal dose, 50 percent
 - Flam. Liq. 1: Flammable liquids, Hazard Category 1
 - Flam. Liq. 3: Flammable liquids, Hazard Category 3
 - Acute Tox. 3: Acute toxicity, Hazard Category 3
 - Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2
 - Eye Irrit. 2A: Serious eye damage/eye irritation, Hazard Category 2A
 - Muta. 1B: Germ cell mutagenicity, Hazard Category 1B
 - Carc. 1A: Carcinogenicity, Hazard Category 1A
 - Carc. 1B: Carcinogenicity, Hazard Category 1B
 - STOT RE 1: Specific target organ toxicity - Repeated exposure, Hazard Category 1
- Asp. Tox. 1: Aspiration hazard, Hazard Category 1
- * Data compared to the previous version altered.