

Safety Data Sheet
acc. to OSHA HCS

Printing date 01/12/2021

Reviewed on 01/12/2021

1 Identification

- Product identifier
- Trade name: Epifanes Fiberglass Prep Cleaner
- 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.+31 297-360666
fax.+31 297-342078
email:info@epifanes.nl
- Information department: Research & Development.
- 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



GHS02 Flame

Flam. Liq. 3 H226 Flammable liquid and vapor.



GHS08 Health hazard

STOT RE 2 H373 May cause damage to organs through prolonged or repeated exposure.

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



GHS07

Acute Tox. 4 H312 Harmful in contact with skin.

Acute Tox. 4 H332 Harmful if inhaled.

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2A H319 Causes serious eye irritation.

STOT SE 3 H335 May cause respiratory irritation.

- Label elements
- GHS label elements
The product is classified and labeled according to the Globally Harmonized System (GHS).

(Contd. on page 2)

Safety Data Sheet
acc. to OSHA HCS

Printing date 01/12/2021

Reviewed on 01/12/2021

Trade name: Epifanes Fiberglass Prep Cleaner

(Contd. of page 1)

· Hazard pictograms



· Signal word Danger

· Hazard-determining components of labeling:
Xylene

· Hazard statements

- H226 Flammable liquid and vapor.
- H312+H332 Harmful in contact with skin or if inhaled.
- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H335 May cause respiratory irritation.
- H373 May cause damage to organs through prolonged or repeated exposure.
- H304 May be fatal if swallowed and enters airways.

· Precautionary statements

- P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
- P260 Do not breathe dust/fume/gas/mist/vapors/spray.
- P271 Use only outdoors or in a well-ventilated area.
- P280 Wear protective gloves/protective clothing/eye protection/face 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/shower.
- P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· Classification system:

· NFPA ratings (scale 0 - 4)



Health = 2
Fire = 3
Reactivity = 0

· HMIS-ratings (scale 0 - 4)



Health = 2
Fire = 3
Reactivity = 0

· Other hazards

- Results of PBT and vPvB assessment
- PBT: Not applicable.
- vPvB: Not applicable.

US

(Contd. on page 3)

Safety Data Sheet
acc. to OSHA HCS

Printing date 01/12/2021

Reviewed on 01/12/2021

Trade name: Epifanes Fiberglass Prep Cleaner

(Contd. of page 2)

3 Composition/information on ingredients

- Chemical characterization: Mixtures
- Description: Solvent mixture

· Dangerous components:

CAS: 1330-20-7 EINECS: 215-535-7	Xylene ⚠ Flam. Liq. 3, H226 ⚠ STOT RE 2, H373; Asp. Tox. 1, H304 ⚠ Acute Tox. 4, H312; Acute Tox. 4, H332; ⚠ Skin Irrit. 2, H315; Eye Irrit. 2A, H319; STOT SE 3, H335	50-100%
CAS: 108-65-6 EINECS: 203-603-9 Index number: 607-195-00-7	2-methoxy-1-methylethyl acetate ⚠ Flam. Liq. 3, H226 ⚠ STOT SE 3, H336	25-50%

- Additional information:
For the wording of the listed hazard phrases refer to section 16.

4 First-aid measures

- Description of first aid measures
- General information:
Take affected persons out into the fresh air.
Do not leave affected persons unattended.
Immediately remove any clothing soiled by the product.
Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
- After inhalation:
Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.
In case of unconsciousness place patient stably in side position for transportation.
- After skin contact:
Immediately wash with water and soap and rinse thoroughly.
Immediately rinse with water.
- After eye contact:
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- 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.

US

(Contd. on page 4)

Safety Data Sheet
acc. to OSHA HCS

Printing date 01/12/2021

Reviewed on 01/12/2021

Trade name: Epifanes Fiberglass Prep Cleaner

(Contd. of page 3)

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
During heating or in case of fire poisonous gases are produced.
- Advice for firefighters
- Protective equipment:
Wear fully protective suit.
Mouth respiratory protective device.

6 Accidental release measures

- Personal precautions, protective equipment and emergency procedures
Ensure adequate ventilation
Mount respiratory protective device.
Wear protective equipment. Keep unprotected persons away.
- Environmental precautions:
Prevent seepage into sewage system, workpits and cellars.
Dilute with plenty of water.
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).
Dispose contaminated material as waste according to item 13.
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.
- Protective Action Criteria for Chemicals

· PAC-1:		
108-65-6	2-methoxy-1-methylethyl acetate	50 ppm
· PAC-2:		
108-65-6	2-methoxy-1-methylethyl acetate	1,000 ppm
· PAC-3:		
108-65-6	2-methoxy-1-methylethyl acetate	5000* ppm

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.

(Contd. on page 5)

Safety Data Sheet
acc. to OSHA HCS

Printing date 01/12/2021

Reviewed on 01/12/2021

Trade name: Epifanes Fiberglass Prep Cleaner

(Contd. of page 4)

- Information about protection against explosions and fires:
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
Keep respiratory protective device available.
- 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 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.
- Control parameters

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

1330-20-7 Xylene

PEL	Long-term value: 435 mg/m ³ , 100 ppm
REL	Short-term value: 655 mg/m ³ , 150 ppm Long-term value: 435 mg/m ³ , 100 ppm
TLV	Short-term value: 651 mg/m ³ , 150 ppm Long-term value: 434 mg/m ³ , 100 ppm BEI

108-65-6 2-methoxy-1-methylethyl acetate

WEEL	Long-term value: 50 ppm
------	-------------------------

1330-20-7 Xylene

PEL	Long-term value: 435 mg/m ³ , 100 ppm
REL	Short-term value: 655 mg/m ³ , 150 ppm Long-term value: 435 mg/m ³ , 100 ppm
TLV	Short-term value: 651 mg/m ³ , 150 ppm Long-term value: 434 mg/m ³ , 100 ppm BEI

108-65-6 2-methoxy-1-methylethyl acetate

WEEL	Long-term value: 50 ppm
------	-------------------------

- Regulatory information
PEL: Guide to Occupational Exposure Values (OSHA PELs)
REL: Guide to Occupational Exposure Values (NIOSH RELs)
TLV: Guide to Occupational Exposure Values (ACGIH)
WEEL: Guide to Occupational Exposure Values (AIHA WEELs)
- Additional information:
The lists that were valid during the creation were used as basis.

(Contd. on page 6)

Safety Data Sheet
acc. to OSHA HCS

Printing date 01/12/2021

Reviewed on 01/12/2021

Trade name: Epifanes Fiberglass Prep Cleaner

(Contd. of page 5)

- Exposure controls
- 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.
Store protective clothing separately.
Avoid contact with the eyes and skin.
- 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.
Filter AX
- 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.
- For the permanent contact gloves made of the following materials are suitable:
Butyl rubber, glove thickness 0.7 mm, > 480 min breakthrough time / permeation to EN374.
- As protection from splashes gloves made of the following materials are suitable:
(recommended: at least protection index 2, corresponding > 30 minutes permeability time / Permeation according to EN 374)
chloroprene rubber (CR) - 0.5 mm thickness
nitrile rubber (NBR) - 0.4 mm thickness

(Contd. on page 7)

Safety Data Sheet
acc. to OSHA HCS

Printing date 01/12/2021

Reviewed on 01/12/2021

Trade name: Epifanes Fiberglass Prep Cleaner

(Contd. of page 6)

· 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

· Odor: Characteristic

· Odor threshold: Not determined.

· pH-value at 20 °C (68 °F): 4

· Change in condition

Melting point/Melting range: Undetermined.
Boiling point/Boiling range: >139 °C (>282.2 °F)

· Flash point: >25 °C (>77 °F)

· Flammability (solid, gaseous): Not applicable.

· Ignition temperature: 315 °C (599 °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: 1.5 Vol %
Upper: 10.8 Vol %

· Vapor pressure at 20 °C (68 °F): 3.4 hPa (2.6 mm Hg)

· Density at 20 °C (68 °F): 0.93 g/cm³ (7.76085 lbs/gal)

· Relative density: Not determined.

· Vapor density: Not determined.

· Evaporation rate: Not determined.

· Solubility in / Miscibility with

Water at 20 °C (68 °F): 220 g/l

· Partition coefficient (n-octanol/water): Not determined.

· Viscosity:

Dynamic: Not determined.
Kinematic at 20 °C (68 °F): 0.9 mm²/s

(Contd. on page 8)

Safety Data Sheet
acc. to OSHA HCS

Printing date 01/12/2021

Reviewed on 01/12/2021

Trade name: Epifanes Fiberglass Prep Cleaner

(Contd. of page 7)

- Solvent content:
 - Organic solvents: 100.0 %
 - VOC content: 100.00 %
 - VOC content: 930.0 g/l / 7.76 lb/gal

- Other information No further relevant information available.

10 Stability and reactivity

- Reactivity No further relevant information available.
- 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: Flammable gases/vapors

11 Toxicological information

- Information on toxicological effects
- Acute toxicity:
- LD/LC50 values that are relevant for classification:

108-65-6 2-methoxy-1-methylethyl acetate

Oral	LD50	8,532 mg/kg bw (rat)
Inhalative	LC50/4 h	35.7 mg/l (rat)

- Primary irritant effect:
 - on the skin: Irritant to skin and mucous membranes.
 - on the eye: Irritating effect.
- Sensitization: No sensitizing effects known.
- Additional toxicological information:
 - Vapors have narcotic effect.
 - The product shows the following dangers according to internally approved calculation methods for preparations:
 - Harmful
 - Irritant

- Carcinogenic categories

- IARC (International Agency for Research on Cancer)
 - None of the ingredients is listed.

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

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

US

(Contd. on page 9)

Safety Data Sheet
acc. to OSHA HCS

Printing date 01/12/2021

Reviewed on 01/12/2021

Trade name: Epifanes Fiberglass Prep Cleaner

(Contd. of page 8)

12 Ecological information

· Toxicity

· Aquatic toxicity:

108-65-6 2-methoxy-1-methylethyl acetate

EC50 408-500 mg/l (daphnia magna) (48 uur/hour)

IC 50 >1,000 mg/l (Algae, Growth inhibition test) (72 uur/hour)

LC50 100-180 mg/l (Fish Acute Toxicity Study) (96 uur/hour)

· 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 2 (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.

· 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.

· Recommended cleansing agent: Water, if necessary with cleansing agents.

14 Transport information

· UN-Number

· DOT, ADR, IMDG, IATA

UN1263

· UN proper shipping name

· DOT

CONSUMER COMMODITY, ORM-D

Paint related material

· ADR

1263 PAINT RELATED MATERIAL,

ENVIRONMENTALLY HAZARDOUS

· IMDG

CONSUMER COMMODITY, ORM-D

PAINT RELATED MATERIAL

· IATA

PAINT RELATED MATERIAL

(Contd. on page 10)

Safety Data Sheet
acc. to OSHA HCS

Printing date 01/12/2021

Reviewed on 01/12/2021

Trade name: Epifanes Fiberglass Prep Cleaner

(Contd. of page 9)

· Transport hazard class(es)

· DOT



· Class 3 Flammable liquids
· Label 3

· ADR



· Class 3 Flammable liquids
· Label 3

· IMDG, IATA



· Class 3 Flammable liquids
· Label 3

· Packing group

· DOT, ADR, IMDG, IATA III

· Environmental hazards:

· Marine pollutant: No
· Special marking (ADR): Symbol (fish and tree)

· Special precautions for user Warning: Flammable liquids

· Hazard identification number (Kemler code): 30

· EMS Number: F-E, S-E

· Stowage Category A

· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable.

· 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

(Contd. on page 11)

Safety Data Sheet
acc. to OSHA HCS

Printing date 01/12/2021

Reviewed on 01/12/2021

Trade name: Epifanes Fiberglass Prep Cleaner

(Contd. of page 10)

- | | |
|---|--|
| <ul style="list-style-type: none"> · Excepted quantities (EQ) | <p>Code: E1
Maximum net quantity per inner packaging:
30 ml
Maximum net quantity per outer packaging:
1000 ml</p> |
| | |
| <ul style="list-style-type: none"> · IMDG · Limited quantities (LQ) · Excepted quantities (EQ) | <p>5L
Code: E1
Maximum net quantity per inner packaging:
30 ml
Maximum net quantity per outer packaging:
1000 ml</p> |
| <ul style="list-style-type: none"> · UN "Model Regulation": | <p>UN 1263 PAINT RELATED MATERIAL, 3, III,
ENVIRONMENTALLY HAZARDOUS</p> |

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):

All components have the value ACTIVE.

· Hazardous Air Pollutants

1330-20-7	Xylene
-----------	--------

· Proposition 65

· Chemicals known to cause cancer:

None of the ingredients is listed.

· 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)

None of the ingredients is listed.

(Contd. on page 12)

Safety Data Sheet
acc. to OSHA HCS

Printing date 01/12/2021

Reviewed on 01/12/2021

Trade name: Epifanes Fiberglass Prep Cleaner

(Contd. of page 11)

· MAK (German Maximum Workplace Concentration)

None of the ingredients is listed.

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

None of the ingredients is listed.

· GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS).

· Hazard pictograms



GHS02

GHS07

GHS08

· Signal word Danger

· Hazard-determining components of labeling:

Xylene

· Hazard statements

H226 Flammable liquid and vapor.

H312+H332 Harmful in contact with skin or if inhaled.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

H373 May cause damage to organs through prolonged or repeated exposure.

H304 May be fatal if swallowed and enters airways.

· Precautionary statements

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P260 Do not breathe dust/fume/gas/mist/vapors/spray.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves/protective clothing/eye protection/face 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/shower.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· National regulations:

· Technical instructions (air):

Class	Share in %
NK	50-100

· Water hazard class:

Water hazard class 2 (Self-assessment): hazardous for water.

· Chemical safety assessment:

A Chemical Safety Assessment has not been carried out.

US

(Contd. on page 13)

Safety Data Sheet
acc. to OSHA HCS

Printing date 01/12/2021

Reviewed on 01/12/2021

Trade name: Epifanes Fiberglass Prep Cleaner

(Contd. of page 12)

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: Environment protection department.
- Contact: J.J. van Dijk
- Date of preparation / last revision 01/12/2021 / 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 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

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)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

Flam. Liq. 3: Flammable liquids - Category 3

Acute Tox. 4: Acute toxicity - Category 4

Skin Irrit. 2: Skin corrosion/irritation - Category 2

Eye Irrit. 2A: Serious eye damage/eye irritation - Category 2A

STOT SE 3: Specific target organ toxicity (single exposure) - Category 3

STOT RE 2: Specific target organ toxicity (repeated exposure) - Category 2

Asp. Tox. 1: Aspiration hazard - Category 1

- * Data compared to the previous version altered.