

Safety Data Sheet  
acc. to OSHA HCS

Printing date 01/12/2021

Reviewed on 01/12/2021

**1 Identification**

- Product identifier
- Trade name: Epifanes Poly-urethane Yacht Coating (all colours)Comp. A
- 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

Carc. 2 H351 Suspected of causing cancer. Route of exposure:  
Inhalation.

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



GHS07

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2A H319 Causes serious eye irritation.

Skin Sens. 1 H317 May cause an allergic skin reaction.

- Additional information: For professional use only.

- 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 Poly-urethane Yacht Coating (all colours)Comp. A

(Contd. of page 1)

· Hazard pictograms



· Signal word Warning

· Hazard-determining components of labeling:

titanium dioxide  
Xylene  
ethylbenzene  
bis(1,2,2,6,6-pentamethyl-4-piperidyl)sebacaat

· Hazard statements

H226 Flammable liquid and vapor.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H317 May cause an allergic skin reaction.  
H351 Suspected of causing cancer. Route of exposure: Inhalation.  
H373 May cause damage to the hearing organs through prolonged or repeated exposure.

· 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.

· Additional information: For professional use only.

· Classification system:

· NFPA ratings (scale 0 - 4)



Health = 2  
Fire = 2  
Reactivity = 0

· HMIS-ratings (scale 0 - 4)



Health = 2  
Fire = 2  
Reactivity = 0

· Other hazards

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

(Contd. on page 3)

Safety Data Sheet  
acc. to OSHA HCS

Printing date 01/12/2021

Reviewed on 01/12/2021

Trade name: Epifanes Poly-urethane Yacht Coating (all colours)Comp. A

(Contd. of page 2)

vPvB: Not applicable.

**3 Composition/information on ingredients**

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

Dangerous components:

CAS: 13463-67-7 EINECS: 236-675-5 Index number: 022-006-00-2	titanium dioxide ⚠ Carc. 2, H351	25-50%
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	10-25%
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	2.5-10%
CAS: 623-84-7 EINECS: 210-817-6	propane-1,2-diyl diacetate ⚠ Skin Irrit. 2, H315; Eye Irrit. 2A, H319; STOT SE 3, H335 Flam. Liq. 4, H227	2.5-10%
CAS: 78-93-3 EINECS: 201-159-0 Index number: 606-002-00-3	butanone ⚠ Flam. Liq. 2, H225 ⚠ Eye Irrit. 2A, H319; STOT SE 3, H336	≤2.5%
CAS: 100-41-4 EINECS: 202-849-4 Index number: 601-023-00-4	ethylbenzene ⚠ Flam. Liq. 2, H225 ⚠ Carc. 2, H351; STOT RE 2, H373; Asp. Tox. 1, H304 ⚠ Acute Tox. 4, H332; Skin Irrit. 2, H315; STOT SE 3, H335	≤2.5%

(Contd. on page 4)

Safety Data Sheet  
acc. to OSHA HCS

Printing date 01/12/2021

Reviewed on 01/12/2021

Trade name: Epifanes Poly-urethane Yacht Coating (all colours)Comp. A

(Contd. of page 3)

<p>ELINCS: 400-830-7 Index number: 607-176-00-3</p>	<p>Mixture of alpha-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl-omega-hydroxypoly(oxyethylene) and alpha-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl-omega-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyloxypoly(oxyethylene)</p> <p>⚠ Skin Sens. 1, H317</p>	<p>&lt;0.3%</p>
<p>CAS: 1065336-91-5 EC number: 915-687-0</p>	<p>Reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate</p> <p>⚠ Skin Sens. 1A, H317</p>	<p>&lt;0.3%</p>

- 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: Immediately remove any clothing soiled by the product.
- After inhalation:  
Supply fresh air and to be sure call for a doctor.  
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.

#### 5 Fire-fighting measures

- Extinguishing media
- Suitable extinguishing agents:  
CO<sub>2</sub>, 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  
During heating or in case of fire poisonous gases are produced.

(Contd. on page 5)

Safety Data Sheet  
acc. to OSHA HCS

Printing date 01/12/2021

Reviewed on 01/12/2021

Trade name: Epifanes Poly-urethane Yacht Coating (all colours)Comp. A

(Contd. of page 4)

- Advice for firefighters
- Protective equipment: Mouth respiratory protective device.

**6 Accidental release measures**

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

13463-67-7	titanium dioxide	30 mg/m <sup>3</sup>
108-65-6	2-methoxy-1-methylethyl acetate	50 ppm
78-93-3	butanone	200 ppm
100-41-4	ethylbenzene	33 ppm
78-92-2	butanol	150 ppm
123-86-4	n-butyl acetate	5 ppm
108-83-8	2,6-dimethylheptan-4-one	75 ppm
70657-70-4	2-methoxypropyl acetate	50 ppm

· PAC-2:

13463-67-7	titanium dioxide	330 mg/m <sup>3</sup>
108-65-6	2-methoxy-1-methylethyl acetate	1,000 ppm
78-93-3	butanone	2700* ppm
100-41-4	ethylbenzene	1100* ppm
78-92-2	butanol	220 ppm
123-86-4	n-butyl acetate	200 ppm
108-83-8	2,6-dimethylheptan-4-one	330 ppm
70657-70-4	2-methoxypropyl acetate	1,000 ppm

· PAC-3:

13463-67-7	titanium dioxide	2,000 mg/m <sup>3</sup>
108-65-6	2-methoxy-1-methylethyl acetate	5000* ppm
78-93-3	butanone	4000* ppm
100-41-4	ethylbenzene	1800* ppm
78-92-2	butanol	10000** ppm

(Contd. on page 6)

Safety Data Sheet  
acc. to OSHA HCS

Printing date 01/12/2021

Reviewed on 01/12/2021

Trade name: Epifanes Poly-urethane Yacht Coating (all colours)Comp. A

(Contd. of page 5)

123-86-4	n-butyl acetate	3000* ppm
108-83-8	2,6-dimethylheptan-4-one	2000* ppm
70657-70-4	2-methoxypropyl acetate	5,000 ppm

**7 Handling and storage**

- Handling:
- Precautions for safe handling  
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.  
Keep respiratory protective device available.
- 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.
- Control parameters
- Components with limit values that require monitoring at the workplace:  
The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.  
At this time, the other constituents have no known exposure limits.

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 <sup>3</sup> , 100 ppm	
REL	Short-term value: 655 mg/m <sup>3</sup> , 150 ppm Long-term value: 435 mg/m <sup>3</sup> , 100 ppm	
TLV	Short-term value: 651 mg/m <sup>3</sup> , 150 ppm Long-term value: 434 mg/m <sup>3</sup> , 100 ppm BEI	
78-93-3 butanone		
PEL	Long-term value: 590 mg/m <sup>3</sup> , 200 ppm	
REL	Short-term value: 885 mg/m <sup>3</sup> , 300 ppm Long-term value: 590 mg/m <sup>3</sup> , 200 ppm	
TLV	Short-term value: 885 mg/m <sup>3</sup> , 300 ppm Long-term value: 590 mg/m <sup>3</sup> , 200 ppm BEI	

(Contd. on page 7)

Safety Data Sheet  
acc. to OSHA HCS

Printing date 01/12/2021

Reviewed on 01/12/2021

Trade name: Epifanes Poly-urethane Yacht Coating (all colours)Comp. A

(Contd. of page 6)

100-41-4 ethylbenzene

PEL	Long-term value: 435 mg/m <sup>3</sup> , 100 ppm
REL	Short-term value: 545 mg/m <sup>3</sup> , 125 ppm Long-term value: 435 mg/m <sup>3</sup> , 100 ppm
TLV	Long-term value: 87 mg/m <sup>3</sup> , 20 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 <sup>3</sup> , 100 ppm
REL	Short-term value: 655 mg/m <sup>3</sup> , 150 ppm Long-term value: 435 mg/m <sup>3</sup> , 100 ppm
TLV	Short-term value: 651 mg/m <sup>3</sup> , 150 ppm Long-term value: 434 mg/m <sup>3</sup> , 100 ppm BEI

78-93-3 butanone

PEL	Long-term value: 590 mg/m <sup>3</sup> , 200 ppm
REL	Short-term value: 885 mg/m <sup>3</sup> , 300 ppm Long-term value: 590 mg/m <sup>3</sup> , 200 ppm
TLV	Short-term value: 885 mg/m <sup>3</sup> , 300 ppm Long-term value: 590 mg/m <sup>3</sup> , 200 ppm BEI

100-41-4 ethylbenzene

PEL	Long-term value: 435 mg/m <sup>3</sup> , 100 ppm
REL	Short-term value: 545 mg/m <sup>3</sup> , 125 ppm Long-term value: 435 mg/m <sup>3</sup> , 100 ppm
TLV	Long-term value: 87 mg/m <sup>3</sup> , 20 ppm BEI

Regulatory information

- WEEL: Guide to Occupational Exposure Values (AIHA WEELs)
- PEL: Guide to Occupational Exposure Values (OSHA PELs)
- REL: Guide to Occupational Exposure Values (NIOSH RELs)
- TLV: Guide to Occupational Exposure Values (ACGIH)

Ingredients with biological limit values:

78-93-3 butanone

BEI	2 mg/L Medium: urine Time: end of shift Parameter: MEK
-----	---

(Contd. on page 8)

Safety Data Sheet  
acc. to OSHA HCS

Printing date 01/12/2021

Reviewed on 01/12/2021

Trade name: Epifanes Poly-urethane Yacht Coating (all colours)Comp. A

(Contd. of page 7)

100-41-4 ethylbenzene

BEI	0.7 g/g creatinine Medium: urine Time: end of shift at end of workweek Parameter: Sum of mandelic acid and phenylglyoxylic acid (nonspecific, semi-quantitative)
-	Medium: end-exhaled air Time: not critical Parameter: Ethyl benzene (semi-quantitative)

- Additional information:  
The lists that were valid during the creation were used as basis.
- 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.

(Contd. on page 9)



Safety Data Sheet  
acc. to OSHA HCS

Printing date 01/12/2021

Reviewed on 01/12/2021

Trade name: Epifanes Poly-urethane Yacht Coating (all colours)Comp. A

(Contd. of page 8)

· 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: Not determined.

· Change in condition

Melting point/Melting range: Undetermined.  
Boiling point/Boiling range: 146 °C (294.8 °F)

· Flash point: 43 °C (109.4 °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): 1.05 g/cm<sup>3</sup> (8.76225 lbs/gal)

· Relative density: Not determined.

· Vapor 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): 30 s (ISO 6 mm)

(Contd. on page 10)

Safety Data Sheet  
acc. to OSHA HCS

Printing date 01/12/2021

Reviewed on 01/12/2021

Trade name: Epifanes Poly-urethane Yacht Coating (all colours)Comp. A

(Contd. of page 9)

· Solvent content:	
Organic solvents:	31.7 %
VOC content:	31.68 %
	VOC content:
	332.6 g/l / 2.78 lb/gal
Solids content:	60.0 % (SC % 1h 150C)
· 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: No dangerous decomposition products known.

**11 Toxicological information**

- Information on toxicological effects
- Acute toxicity:

· LD/LC50 values that are relevant for classification:		
13463-67-7 titanium dioxide		
Oral	LD50	>20,000 mg/kg bw (rat)
Dermal	LD50	>10,000 mg/kg bw (rabbit)
Inhalative	LC50/4 h	>6.82 mg/l (rat)
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)
623-84-7 propane-1,2-diyl diacetate		
Oral	LD50	5,000 mg/kg bw (rat)
Dermal	LD50	2,000 mg/kg bw (rab)
78-93-3 butanone		
Oral	LD50	3,300 mg/kg bw (rat)
Dermal	LD50	5,000 mg/kg bw (rabbit)
100-41-4 ethylbenzene		
Oral	LD50	3,500 mg/kg bw (rat)
Dermal	LD50	17,800 mg/kg bw (rabbit)

- Primary irritant effect:
- on the skin: Irritant to skin and mucous membranes.
- on the eye: Irritating effect.

(Contd. on page 11)

Safety Data Sheet  
acc. to OSHA HCS

Printing date 01/12/2021

Reviewed on 01/12/2021

Trade name: Epifanes Poly-urethane Yacht Coating (all colours)Comp. A

(Contd. of page 10)

- Sensitization: Sensitization possible through skin contact.
- Additional toxicological information:  
The product shows the following dangers according to internally approved calculation methods for preparations:  
Irritant
- Carcinogenic categories

· IARC (International Agency for Research on Cancer)		
13463-67-7	titanium dioxide	2B
100-41-4	ethylbenzene	2B

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

**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.

(Contd. on page 12)

Safety Data Sheet  
acc. to OSHA HCS

Printing date 01/12/2021




Reviewed on 01/12/2021

Trade name: Epifanes Poly-urethane Yacht Coating (all colours)Comp. A

(Contd. of page 11)

- Uncleaned packagings:
- Recommendation: Disposal must be made according to official regulations.

**14 Transport information**

· UN-Number	
· DOT, ADR, IMDG, IATA	UN1263
· UN proper shipping name	
· DOT	CONSUMER COMMODITY, ORM-D Paint
· ADR	1263 PAINT
· IMDG	CONSUMER COMMODITY, ORM-D PAINT
· IATA	PAINT
· Transport hazard class(es)	
· DOT	
	
· Class	3 Flammable liquids
· Label	3
· ADR	
	
· Class	3 (F1) 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 precautions for user	Warning: Flammable liquids
· Hazard identification number (Kemler code):	30
· EMS Number:	F-E, S-E

(Contd. on page 13)

Safety Data Sheet  
acc. to OSHA HCS

Printing date 01/12/2021

Reviewed on 01/12/2021

Trade name: Epifanes Poly-urethane Yacht Coating (all colours)Comp. A

(Contd. of page 12)

· 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	
· Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· 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, 3, 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):

100-41-4	ethylbenzene
78-92-2	butanol

· TSCA (Toxic Substances Control Act):

13463-67-7	titanium dioxide	ACTIVE
108-65-6	2-methoxy-1-methylethyl acetate	ACTIVE
1330-20-7	Xylene	ACTIVE
623-84-7	propane-1,2-diyl diacetate	ACTIVE
78-93-3	butanone	ACTIVE
25086-48-0	Azijnzure ethenylester, polymeer met chlooretheen en ethenol. Acetic acid ethenylester, polymer with chlorethene and ethanol.	ACTIVE
100-41-4	ethylbenzene	ACTIVE

(Contd. on page 14)

Safety Data Sheet  
acc. to OSHA HCS

Printing date 01/12/2021

Reviewed on 01/12/2021

Trade name: Epifanes Poly-urethane Yacht Coating (all colours)Comp. A

(Contd. of page 13)

78-92-2	butanol	ACTIVE
123-86-4	n-butyl acetate	ACTIVE
108-83-8	2,6-dimethylheptan-4-one	ACTIVE
3648-18-8	dioctyltin dilaurate	ACTIVE

· Hazardous Air Pollutants

1330-20-7	Xylene
100-41-4	ethylbenzene

· Proposition 65

· Chemicals known to cause cancer:

13463-67-7	titanium dioxide
100-41-4	ethylbenzene

· 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)

78-93-3	butanone	I
100-41-4	ethylbenzene	D

· TLV (Threshold Limit Value established by ACGIH)

13463-67-7	titanium dioxide	A4
100-41-4	ethylbenzene	A3

· MAK (German Maximum Workplace Concentration)

13463-67-7	titanium dioxide	3A
100-41-4	ethylbenzene	3A

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

13463-67-7	titanium dioxide
------------	------------------

· GHS label elements

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

· Hazard pictograms



GHS02    GHS07    GHS08

· Signal word Warning

· Hazard-determining components of labeling:

titanium dioxide  
Xylene  
ethylbenzene

(Contd. on page 15)

Safety Data Sheet  
acc. to OSHA HCS

Printing date 01/12/2021

Reviewed on 01/12/2021

Trade name: Epifanes Poly-urethane Yacht Coating (all colours)Comp. A

(Contd. of page 14)

bis(1,2,2,6,6-pentamethyl-4-piperidyl)sebacaat

· Hazard statements

H226 Flammable liquid and vapor.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H351 Suspected of causing cancer. Route of exposure: Inhalation.

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

· 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	25-50

· Water hazard class:

Water hazard class 2 (Self-assessment): 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.

· Department issuing SDS: Environment protection department.

· Contact: J.J. van Dijk

· Date of preparation / last revision 01/12/2021 / 5

· 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 Substances

ELINCS: European List of Notified Chemical Substances

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

NFPA: National Fire Protection Association (USA)

(Contd. on page 16)

Safety Data Sheet  
acc. to OSHA HCS

Printing date 01/12/2021

Reviewed on 01/12/2021

Trade name: Epifanes Poly-urethane Yacht Coating (all colours)Comp. A

(Contd. of page 15)

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  
BEI: Biological Exposure Limit  
Flam. Liq. 2: Flammable liquids - Category 2  
Flam. Liq. 3: Flammable liquids - Category 3  
Flam. Liq. 4: Flammable liquids - Category 4  
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  
Skin Sens. 1: Skin sensitisation - Category 1  
Skin Sens. 1A: Skin sensitisation - Category 1A  
Carc. 2: Carcinogenicity - Category 2  
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.