

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

Printing date 17.11.2016

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Revision: 17.11.2016

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

- **1.1 Product identifier**
  - **Trade name:** YACHTCARE EPOXY THINNER
  - **1.2 Relevant identified uses of the substance or mixture and uses advised against** Not determined
  - **Application of the substance / the mixture** Thinner, Diluent
  - **1.3 Details of the supplier of the safety data sheet**
  - **Manufacturer/Supplier:**  
Vosschemie GmbH  
Esinger Steinweg 50  
D-25436 Uetersen  
Phone: +49 (0)4122 717 0; Fax: +49 (0)4122 717158; info@vosschemie.de
  - **Further information obtainable from:**  
Abteilung Labor / +49 (0)4122 717 0  
s.schaller@vosschemie.de
  - **1.4 Emergency telephone number:**  
Gif tinfor mationszen trum (GIZ)-Nord, Goettingen, Deutschland  
Phone: +49 (0)551 19240
- 

**SECTION 2: Hazards identification**

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



GHS02 flame

Flam. Liq. 3      H226      Flammable liquid and vapour.



GHS08 health hazard

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STOT RE 2      H373      *May cause damage to organs through prolonged or repeated exposure.  
Route of exposure: Inhalation.*

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



GHS05 corrosion

Eye Dam. 1      H318      *Causes serious eye damage.*



GHS07

Acute Tox. 4      H332      *Harmful if inhaled.*

Skin Irrit. 2      H315      *Causes skin irritation.*

STOT SE 3      H335-H336      *May cause respiratory irritation. May cause drowsiness or dizziness.*

Aquatic Chronic 3      H412      *Harmful to aquatic life with long lasting effects.*

· **2.2 Label elements**

· **Labelling according to Regulation (EC) No 1272/2008**

*The product is classified and labelled according to the CLP regulation.*

· **Hazard pictograms**



GHS02



GHS05



GHS07



GHS08

· **Signal word Danger**

· **Hazard-determining components of labelling:**

*xylene, mixture of isomers*

*butan-1-ol*

*Solvent naphtha (petroleum), light arom.*

*ethylbenzene*

· **Hazard statements**

H226      *Flammable liquid and vapour.*

H332      *Harmful if inhaled.*

H315      *Causes skin irritation.*

H318      *Causes serious eye damage.*

H335-H336      *May cause respiratory irritation. May cause drowsiness or dizziness.*

H373      *May cause damage to organs through prolonged or repeated exposure. Route of exposure:  
Inhalation.*

H304      *May be fatal if swallowed and enters airways.*

H412      *Harmful to aquatic life with long lasting effects.*

· **Precautionary statements**

P101      *If medical advice is needed, have product container or label at hand.*

P102      *Keep out of reach of children.*

P210      *Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No  
smoking.*

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

P261      *Avoid breathing mist/vapours/spray.*

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- P273 Avoid release to the environment.  
 P331 Do NOT induce vomiting.  
 P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P310 Immediately call a POISON CENTER/doctor.  
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 P403+P235 Store in a well-ventilated place. Keep cool.  
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- 2.3 Other hazards
- Results of PBT and vPvB assessment
- PBT: Not applicable.
- vPvB: Not applicable.

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

- 3.2 Chemical characterisation: Mixtures
- Description: Mixture of substances listed below with nonhazardous additions.

## · Dangerous components:

CAS: 1330-20-7 EINECS: 215-535-7 Reg.nr.: 01-2119488216-32	xylene, mixture of isomers ⚠ Flam. Liq. 3, H226; ⚠ Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315	50-75%
CAS: 71-36-3 EINECS: 200-751-6 Reg.nr.: 01-2119484630-38	butan-1-ol ⚠ Flam. Liq. 3, H226; ⚠ Eye Dam. 1, H318; ⚠ Acute Tox. 4, H302; Skin Irrit. 2, H315; STOT SE 3, H335-H336	10-<25%
CAS: 64742-95-6 EINECS: 265-199-0 Reg.nr.: 01-2119455851-35	Solvent naphtha (petroleum), light arom. ⚠ Flam. Liq. 3, H226; ⚠ Asp. Tox. 1, H304; ⚠ Aquatic Chronic 2, H411; ⚠ STOT SE 3, H335-H336	10-<25%
CAS: 100-41-4 EINECS: 202-849-4 Reg.nr.: 01-2119489370-35	ethylbenzene ⚠ Flam. Liq. 2, H225; ⚠ STOT RE 2, H373; Asp. Tox. 1, H304; ⚠ Acute Tox. 4, H332	10-<15%

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

**SECTION 4: First aid measures**

- 4.1 Description of first aid measures
- General information:  
Personal protection for the First Aider.  
Take affected persons out of danger area and lay down.  
Immediately remove any clothing soiled by the product.
- After inhalation:  
Remove person to fresh air and keep comfortable for breathing.  
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:  
Use skin protection cream for skin protection.

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*Immediately wash with water and soap and rinse thoroughly.*

*If skin irritation continues, consult a doctor.*

· **After eye contact:**

*IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.*

*Seek immediate medical advice.*

· **After swallowing:**

*Do not induce vomiting; call for medical help immediately.*

*A person vomiting while laying on their back should be turned onto their side.*

· **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**

*Formation of toxic gases is possible during heating or in case of fire.*

*Carbon monoxide and carbon dioxide*

· **5.3 Advice for firefighters**

· **Protective equipment:**

*Do not inhale explosion gases or combustion gases.*

*Wear self-contained respiratory protective device.*

*Wear fully protective suit.*

· **Additional information**

*Cool endangered receptacles with water spray.*

*Collect contaminated fire fighting water separately. It must not enter the sewage system.*

*Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.*

### **SECTION 6: Accidental release measures**

· **6.1 Personal precautions, protective equipment and emergency procedures**

*Avoid contact with the eyes and skin.*

*Do not inhale gases / fumes / aerosols.*

*Ensure adequate ventilation*

*Keep away from ignition sources.*

*Wear protective equipment. Keep unprotected persons away.*

· **6.2 Environmental precautions:**

*Avoid release to the environment.*

*Do not allow to enter sewers/ surface or ground water.*

*Inform respective authorities in case of seepage into water course or sewage system.*

· **6.3 Methods and material for containment and cleaning up:**

*Ensure adequate ventilation.*

*Collect with an inert, non-combustible, absorbent material (i.e. sand, diatomaceous earth, acid binder, universal binder).*

*Use only non-sparking tools.*

· **6.4 Reference to other sections**

*See Section 7 for information on safe handling.*

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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 receptacles tightly sealed.

Ensure good ventilation/exhaustion at the workplace.

Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).

Do not inhale gases / fumes / aerosols.

Avoid contact with the eyes and skin.

**· Information about fire - and explosion protection:**

Vapours of the product are heavier than air and may accumulate on the ground, in mines, drains or cellars with higher concentration.

Fumes can combine with air to form an explosive mixture.

Flammable gas-air mixtures may form in empty receptacles.

Use explosion-proof apparatus / fittings and spark-proof tools.

Protect against electrostatic charges.

Ground/bond container and receiving equipment.

Keep ignition sources away - Do not smoke.

**· 7.2 Conditions for safe storage, including any incompatibilities**

**· Storage:**

**· Requirements to be met by storerooms and receptacles:**

Store only in the original receptacle.

Adhere to the provisions of the Law on Water Protection.

**· Information about storage in one common storage facility:**

Store away from oxidising agents.

Do not store together with acids.

Do not store together with alkalis (caustic solutions).

Keep away from foodstuffs, beverages and feed.

**· Further information about storage conditions:**

Store in cool, dry conditions in well sealed receptacles.

Store receptacle in a well ventilated area.

Protect from heat and direct sunlight.

Keep ignition sources away - Do not smoke.

Anti-explosion protection required

**· 7.3 Specific end use(s) No further relevant information available.**

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

**· Additional information about design of technical facilities: No further data; see item 7.**

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**· 8.1 Control parameters**

**· Ingredients with limit values that require monitoring at the workplace:**

**1330-20-7 xylene, mixture of isomers**

WEL (Great Britain)	Short-term value: 441 mg/m <sup>3</sup> , 100 ppm Long-term value: 220 mg/m <sup>3</sup> , 50 ppm Sk; BMGV
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IOELV (EU)	Short-term value: 442 mg/m <sup>3</sup> , 100 ppm Long-term value: 221 mg/m <sup>3</sup> , 50 ppm Skin
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**71-36-3 butan-1-ol**

WEL (Great Britain)	Short-term value: 154 mg/m <sup>3</sup> , 50 ppm Sk
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**64742-95-6 Solvent naphtha (petroleum), light arom.**

OEL (EU)	Long-term value: 120 mg/m <sup>3</sup> , 25 ppm
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**100-41-4 ethylbenzene**

WEL (Great Britain)	Short-term value: 552 mg/m <sup>3</sup> , 125 ppm Long-term value: 441 mg/m <sup>3</sup> , 100 ppm Sk
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IOELV (EU)	Short-term value: 884 mg/m <sup>3</sup> , 200 ppm Long-term value: 442 mg/m <sup>3</sup> , 100 ppm Skin
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**· DNELs**

**1330-20-7 xylene, mixture of isomers**

Oral	Long-term exposure - systemic effects	1.6 mg/kg bw/day (general population)
Dermal	Long-term exposure - systemic effects	108 mg/kg bw/day (general population) 180 mg/kg bw/day (worker)
Inhalative	Long-term exposure - systemic effects	14.8 mg/m <sup>3</sup> (general population) 77 mg/m <sup>3</sup> (worker)
	Acute/short-term exposure - systemic effects	174 mg/m <sup>3</sup> (general population) 289 mg/m <sup>3</sup> (worker)
	Acute/short-term exposure - local effects	174 mg/m <sup>3</sup> (general population) 289 mg/m <sup>3</sup> (worker)

**64742-95-6 Solvent naphtha (petroleum), light arom.**

Oral	Long-term exposure - systemic effects	11 mg/kg bw/day (general population)
Dermal	Long-term exposure - systemic effects	11 mg/kg bw/day (general population) 25 mg/kg bw/day (worker)
Inhalative	Long-term exposure - systemic effects	32 mg/m <sup>3</sup> (general population) 150 mg/m <sup>3</sup> (worker)

**100-41-4 ethylbenzene**

Oral	Long-term exposure - systemic effects	1.6 mg/kg bw/day (general population)
Dermal	Long-term exposure - systemic effects	180 mg/kg bw/day (worker)
Inhalative	Long-term exposure - systemic effects	15 mg/m <sup>3</sup> (general population) 77 mg/m <sup>3</sup> (worker)

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Acute/short-term exposure - local effects	293 mg/m <sup>3</sup> (worker)
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· **PNECs****1330-20-7 xylene, mixture of isomers**

PNEC aqua	0.327 mg/l (freshwater)
	0.327 mg/l (marine water)
	0.327 mg/l (intermittent releases)
PNEC sediment	12.46 mg/kg (freshwater)
	12.46 mg/kg (marine water)

**100-41-4 ethylbenzene**

PNEC aqua	0.1 mg/l (freshwater)
	0.01 mg/l (marine water)
	0.1 mg/l (intermittent releases)
PNEC sediment	13.7 mg/kg (freshwater)
	2.68 mg/kg (marine water)
PNEC STP	9.6 mg/l
PNEC soil	2.68 mg/kg (soil dw)
PNEC oral	0.02 mg/kg

· **Ingredients with biological limit values:****1330-20-7 xylene, mixture of isomers**

BMGV (Great Britain)	650 mmol/mol creatinine Medium: urine Sampling time: post shift Parameter: methyl hippuric acid
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· **Additional information:** The lists valid during the making were used as basis.

· **8.2 Exposure controls**· **Personal protective equipment:**· **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Do not eat, drink, smoke or sniff while working.

Wash hands before breaks and at the end of work.

Store protective clothing separately.

Immediately remove all soiled and contaminated clothing

Wash contaminated clothing before reuse.

Do not inhale gases / fumes / aerosols.

Avoid contact with the eyes and skin.

Use skin protection cream for skin protection.

· **Respiratory protection:**

Adhere to the workplace limit values and / or other threshold values.

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Filter A/P2

· **Protection of hands:**

Check the permeability prior to each renewed use of the glove.

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Preventive skin protection by use of skin-protecting agents is recommended.



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**

Fluorocarbon rubber (Viton)

Recommended thickness of the material:  $\geq 0.7$  mm

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**

Value for the permeation: Level  $\leq 6$  ( $\geq 480$  min)

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Not suitable are gloves made of the following materials:**

Nitrile rubber, NBR

Butyl rubber, BR

Neoprene gloves

Natural rubber, NR

PVC gloves

· **Eye protection:**



Tightly sealed goggles

· **Body protection:** Protective work clothing

## SECTION 9: Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

**Form:** Fluid

**Colour:** Clear

· **Odour:** Solvent-like

· **Change in condition**

**Melting point/Melting range:** Undetermined.

**Boiling point/Boiling range:** Undetermined.

· **Flash point:** 23 °C

· **Danger of explosion:** Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

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· <b>Explosion limits:</b>	
<b>Lower:</b>	0.8 Vol %
<b>Upper:</b>	11.3 Vol %
· <b>Vapour pressure at 20 °C:</b>	0.89 kPa
· <b>Density at 20 °C:</b>	0.857 g/cm <sup>3</sup>
· <b>Vapour density</b>	Not determined
· <b>Solubility in / Miscibility with water:</b>	Not miscible or difficult to mix.
· <b>Partition coefficient (n-octanol/water):</b>	Not determined
· <b>Viscosity:</b>	
<b>Dynamic:</b>	Not determined.
<b>Kinematic at 40 °C:</b>	6 mm <sup>2</sup> /s
· <b>9.2 Other information</b>	No further relevant information available.

### SECTION 10: Stability and reactivity

- **10.1 Reactivity** No decomposition if used according to specifications.
- **10.2 Chemical stability** No decomposition if used and stored according to specifications.
- **10.3 Possibility of hazardous reactions**  
Fumes can combine with air to form an explosive mixture.  
Reacts with strong oxidising agents.
- **10.4 Conditions to avoid**  
Avoid naked flames, sparks, other ignition sources and sunlight.  
Protect against electrostatic charges.
- **10.5 Incompatible materials:**  
Reacts with oxidising agents.  
Reacts with reducing agents.
- **10.6 Hazardous decomposition products:**  
Formation of toxic gases is possible during heating or in case of fire.

### SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity**  
Harmful if inhaled.

· **LD/LC50 values relevant for classification:**

Oral	ATE	3950 mg/kg (mix) (Calculation method)
Dermal	ATE	1916.4 mg/kg (mix) (Calculation method)
Inhalative	ATE	15.71 mg/l (mix) (4h / vapours ; Calculation method)

**1330-20-7 xylene, mixture of isomers**

Oral	LD 50	> 4000 mg/kg (rat)
Dermal	LD 50	> 1700 mg/kg (rabbit)
Inhalative	LC 50 / 4h	21.7 mg/l (rat) (Vapour)
	LC50 /4h	6350 ppm (rat) (vapour)

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**71-36-3 butan-1-ol**

Oral	LD50	2292 mg/kg (rat)
Dermal	LD50	3400 mg/kg (rabbit)
Inhalative	LC50 /4h	25 mg/m <sup>3</sup> (rat)

**64742-95-6 Solvent naphtha (petroleum), light arom.**

Oral	LD 50	> 6800 mg/kg (rat)
Dermal	LD 50	> 3400 mg/kg (rabbit)
Inhalative	LC 50 / 4h	> 10.2 mg/l (rat)

**100-41-4 ethylbenzene**

Oral	LD50	3500 mg/kg (rat)
Dermal	LD 50	> 5000 mg/kg (rabbit)
Inhalative	LC50 /4h	17.2 mg/l (rat)

- **Primary irritant effect:**
- **Skin corrosion/irritation**  
Causes skin irritation.
- **Serious eye damage/irritation**  
Causes serious eye damage.
- **Subacute to chronic toxicity:** No further relevant information available.
- **Additional toxicological information:** Repeated exposure may cause skin dryness or cracking.
- **Sensitisation** No sensitising effects known.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**  
No further relevant information available.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure**  
May cause respiratory irritation. May cause drowsiness or dizziness.
- **STOT-repeated exposure**  
May cause damage to organs through prolonged or repeated exposure. Route of exposure: Inhalation.
- **Aspiration hazard**  
May be fatal if swallowed and enters airways.

**SECTION 12: Ecological information**

## · 12.1 Toxicity

· **Aquatic toxicity:****1330-20-7 xylene, mixture of isomers**

EC50	> 175 mg/l (activated slugde)
EC50/48h	3.82 mg/l (daphnia magna)
	8.5 mg/l (palaemonetes pugio) (marine water)
EC50/72h	4.7 mg/l (Pseudokirchneriella subcapitata)
LC50/96h	> 780 mg/l (Cyprinus carpio)
	13.1 - 16.5 mg/l (Lepomis macrochirus)
	7.6 mg/l (oncorhynchus mykiss)
	13.4 mg/l (pimephales promelas)

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NOEC	> 1.3 mg/l (oncorhynchus mykiss) (56 d)
<b>71-36-3 butan-1-ol</b>	
EC50/48h	1983 mg/l (daphnia magna)
EC50/72h	> 500 mg/l (Pseudokirchneriella subcapitata)
LC50/96h	1730 mg/l (pimephales promelas)
<b>64742-95-6 Solvent naphtha (petroleum), light arom.</b>	
EC50/48h	6.14 mg/l (daphnia magna)
EL50/72h	56 mg/l (Pseudokirchneriella subcapitata) (OECD 201)
LC50/96h	9.22 mg/l (oncorhynchus mykiss)
LL50/96h	10 mg/l (oncorhynchus mykiss) (OECD 203)
NOELR (aqua chron.)	2.6 mg/l (daphnia magna) (OECD 211, 21d) 2.6 mg/l (pimephales promelas) (OECD 204, 14d)
<b>100-41-4 ethylbenzene</b>	
EC50/48h	2.4 mg/l (daphnia magna) > 5.2 mg/l (americamysis bahia)
EC50/72h	4.6 mg/l (Pseudokirchneriella subcapitata)
LC50/96h	4.2 mg/l (oncorhynchus mykiss)
<b>· 12.2 Persistence and degradability</b>	
<b>1330-20-7 xylene, mixture of isomers</b>	
Biodegradation	87.8 % (28d)
<b>71-36-3 butan-1-ol</b>	
Biodegradation	92 % (20d)
<b>64742-95-6 Solvent naphtha (petroleum), light arom.</b>	
Biodegradation	74.3 % (ISO/DIS 14593, 28d)
<b>100-41-4 ethylbenzene</b>	
Biodegradation	> 70 % (28 d)
<b>· 12.3 Bioaccumulative potential</b>	
<b>1330-20-7 xylene, mixture of isomers</b>	
log Pow	> 3
BCF	6 - 23.4 (oncorhynchus mykiss)
<b>71-36-3 butan-1-ol</b>	
log Pow	1
BCF	3.16
<b>64742-95-6 Solvent naphtha (petroleum), light arom.</b>	
log Kow	> 3
BCF	10 - 2500 (lit.) (calculated)
<b>100-41-4 ethylbenzene</b>	
log Pow	3.1
<b>· Behaviour in environmental systems:</b>	
<b>· 12.4 Mobility in soil</b>	
<b>64742-95-6 Solvent naphtha (petroleum), light arom.</b>	
log Koc	1.783 - 2.36 (lit.) (calculated value)

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Koc	60.7 - 229.2 (lit.) (calculated value)
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- **Additional ecological information:**

- **General notes:**

Harmful to aquatic organisms

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.

- **12.5 Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

- **12.6 Other adverse effects** No further relevant information available.

### 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.

- **Waste disposal key:**

The waste codes given above are to be considered recommendations; because of regional and industrial sector specific features, application of different waste codes is possible.

- **European waste catalogue**

08 01 11*	waste paint and varnish containing organic solvents or other dangerous substances
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15 01 10*	packaging containing residues of or contaminated by dangerous substances
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- **Uncleaned packaging:**

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

### SECTION 14: Transport information

- **14.1 UN-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, IMDG, IATA**



- **Class**

3 Flammable liquids.

- **Label**

3

- **14.4 Packing group**

- **ADR, IMDG, IATA**

III

- **14.5 Environmental hazards:**

- **Marine pollutant:**

No

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**Safety data sheet**  
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· <b>14.6 Special precautions for user</b>	Warning: Flammable liquids.
· <b>Danger code (Kemler):</b>	30
· <b>EMS Number:</b>	F-E,S-E

· <b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</b>	Not applicable.
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· **Transport/Additional information:**

· <b>ADR</b>	
· <b>Limited quantities (LQ)</b>	5L
· <b>Transport category</b>	3
· <b>Tunnel restriction code</b>	D/E

**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** None of the ingredients is listed.
- **Seveso category P5c FLAMMABLE LIQUIDS**
- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3
- **National regulations:**
- **Information about limitation of use:**  
Employment restrictions concerning juveniles must be observed.  
Employment restrictions concerning pregnant and lactating women must be observed.
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not 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.

- **Relevant phrases**  
H225 Highly flammable liquid and vapour.  
H226 Flammable liquid and vapour.  
H302 Harmful if swallowed.  
H304 May be fatal if swallowed and enters airways.  
H312 Harmful in contact with skin.  
H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H332 Harmful if inhaled.  
H335 May cause respiratory irritation.  
H336 May cause drowsiness or dizziness.  
H373 May cause damage to organs through prolonged or repeated exposure. Route of exposure: Inhalation.  
H411 Toxic to aquatic life with long lasting effects.
  - **Classification according to Regulation (EC) No 1272/2008**
- |                    |   |
|--------------------|---|
| Flam. Liq.3, H226  | <b>Classification procedure</b>                     |
| Acute Tox. 4, H312 | Bridging principle "Substantially similar mixtures" |
| Acute Tox. 4, H332 | Calculation method                                  |
| Eye Dam.1, H318    | Calculation method                                  |

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*Skin. Irrit. 2, H315**Calculation method**Asp. Tox. 1, H304**On basis of test data**STOT SE 3, H335**Calculation method**STOT SE 3, H336**Calculation method**STOT RE 2, H373**Calculation method**Aquatic Chronic 3, H412**Calculation method*

- **Department issuing SDS:** Abteilung Labor

- **Contact:** Frau S. Schaller

- **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*

*IATA: International Air Transport Association*

*GHS: Globally Harmonised System of Classification and Labelling of Chemicals*

*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)*

*DNEL: Derived No-Effect Level (REACH)*

*PNEC: Predicted No-Effect Concentration (REACH)*

*LC50: Lethal concentration, 50 percent*

*LD50: Lethal dose, 50 percent*

*PBT: Persistent, Bioaccumulative and Toxic*

*vPvB: very Persistent and very Bioaccumulative*

*Flam. Liq. 2: Flammable liquids – Category 2*

*Flam. Liq. 3: Flammable liquids – Category 3*

*Acute Tox. 4: Acute toxicity – Category 4*

*Skin Irrit. 2: Skin corrosion/irritation – Category 2*

*Eye Dam. 1: Serious eye damage/eye irritation – Category 1*

*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*

*Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2*

*Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3*

- **\* Data compared to the previous version altered.**