

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

Printing date 10.05.2017

V - 2

Revision: 10.05.2017

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

- **1.1 Product identifier**
  - **Trade name:** YACHTCARE EPOXY BASE FILLER (A-Komponente)
  - **1.2 Relevant identified uses of the substance or mixture and uses advised against** Not determined
  - **Application of the substance / the mixture** Knife filler/ Surfacer
  - **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:**  
Giftinformationszentrum (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**



GHS09 environment

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.



GHS07

Skin Irrit. 2 H315 Causes skin irritation.

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Eye Irrit. 2      H319 Causes serious eye irritation.  
Skin Sens. 1      H317 May cause an allergic skin reaction.

· **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**



GHS07      GHS09

· **Signal word** Warning

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

Reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight  $\leq 700$ )

reaction product: bisphenol-F-(epichlorhydrin) epoxy resin (number average molecular weight  $\leq 700$ )

1,6-bis(2,3-epoxypropoxy)hexane

Oxirane, mono [(C10-16-alkyloxy) methyl] derivatives

· **Hazard statements**

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H411 Toxic 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.

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

P273      Avoid release to the environment.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P337+P313 If eye irritation persists: Get medical advice/attention.

P363      Wash contaminated clothing before reuse.

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

· **Additional information:**

Contains epoxy constituents. May produce an allergic reaction.

· **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:**

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CAS: 25068-38-6 NLP: 500-033-5 Reg.nr.: 01-2119456619-26	Reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight $\leq$ 700) ⚠ Aquatic Chronic 2, H411; ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317	10-<30%
CAS: 9003-36-5 NLP: 500-006-8 Reg.nr.: 01-2119454392-40	reaction product: bisphenol-F-(epichlorhydrin) epoxy resin (number average molecular weight $\leq$ 700) ⚠ Aquatic Chronic 2, H411; ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317	5.0-<10%
CAS: 16096-31-4 EINECS: 240-260-4	1,6-bis(2,3-epoxypropoxy)hexane ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; Aquatic Chronic 3, H412	1.0-<5.0%
CAS: 68081-84-5 EINECS: 268-358-2	Oxirane, mono [(C10-16-alkyloxy) methyl] derivatives ⚠ Aquatic Chronic 2, H411; ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317	1.0-<5.0%

· **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:

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

Personal protection for the First Aider.

Take affected persons out of danger area and lay down.

In case of irregular breathing or respiratory arrest provide artificial respiration.

Immediately remove any clothing soiled by the product.

##### · After inhalation:

Supply fresh air or oxygen; call for 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.

If skin irritation continues, consult a doctor.

##### · After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.

##### · After swallowing:

Do not induce vomiting; call for medical help immediately.

Rinse out mouth and then drink plenty of water.

##### · 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.

· For safety reasons unsuitable extinguishing agents: Water with full jet

##### · 5.2 Special hazards arising from the substance or mixture

During heating or in case of fire poisonous gases are produced.

Carbon monoxide and carbon dioxide

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- **5.3 Advice for firefighters**
- **Protective equipment:**
  - Wear self-contained respiratory protective device.
  - Wear fully protective suit.
  - Do not inhale explosion gases or combustion gases.
- **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**
  - Wear protective equipment. Keep unprotected persons away.
  - Avoid contact with the eyes and skin.
  - Ensure adequate ventilation
  - Do not inhale gases / fumes / aerosols.
  - Keep away from ignition sources.
- **6.2 Environmental precautions:**
  - Do not allow to penetrate the ground/soil.
  - 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:**
  - Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **6.4 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.

**SECTION 7: Handling and storage**

- **7.1 Precautions for safe handling**
  - Keep receptacles tightly sealed.
  - Open and handle receptacle with care.
  - Ensure good ventilation/exhaustion at the workplace.
  - Avoid contact with the eyes and skin.
  - Do not inhale gases / fumes / aerosols.
- **Information about fire - and explosion protection:**
  - Keep ignition sources away - Do not smoke.
  - Protect against electrostatic charges.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
  - Store only in the original receptacle.
  - Prevent any seepage into the ground.
- **Information about storage in one common storage facility:**
  - Store away from foodstuffs.
  - Store away from oxidising agents.
  - Do not store together with acids.
  - Do not store together with alkalis (caustic solutions).

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- **Further information about storage conditions:**  
Store in cool, dry conditions in well sealed receptacles.  
Store receptacle in a well ventilated area.
- **Recommended storage temperature:** +5 °C - < 40 °C
- **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.
- **8.1 Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:**  
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

· **DNELs**

**25068-38-6 Reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700)**

Oral	Acute/short-term exposure - systemic effects	0.75 mg/kg bw/day (general population)
	Long-term exposure - systemic effects	0.75 mg/kg bw/day (general population)
Dermal	Long-term exposure - systemic effects	3.571 mg/kg bw/day (general population)
		8.33 mg/kg bw/day (worker)
Inhalative	Acute/short-term exposure - systemic effects	8.33 mg/kg bw/day (worker)
	Long-term exposure - systemic effects	12.25 mg/m <sup>3</sup> (worker)
	Acute/short-term exposure - systemic effects	3.571 mg/m <sup>3</sup> (general population)
		12.25 mg/m <sup>3</sup> (worker)

· **PNECs**

**25068-38-6 Reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700)**

PNEC aqua	0.006 mg/l (freshwater)
	0.0006 mg/l (marine water)
	0.018 mg/l (intermittent releases)
PNEC sediment	0.996 mg/kg (freshwater)
	0.0996 mg/kg (marine water)
PNEC STP	10 mg/l

- **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.  
Store protective clothing separately.  
Immediately remove all soiled and contaminated clothing  
Wash contaminated clothing before reuse.  
Wash hands before breaks and at the end of work.  
Avoid contact with the eyes and skin.  
Use skin protection cream for skin protection.

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· **Respiratory protection:**

Ensure good ventilation/exhaustion at the workplace.

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:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

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

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

· **Material of gloves**

DIN EN 374

Fluorocarbon rubber (Viton)

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.

· **As protection from splashes gloves made of the following materials are suitable:** Nitrile rubber, NBR

· **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:** Pasty

**Colour:** White

· **Odour:** Characteristic

· **Change in condition**

**Initial boiling point and boiling range:** > 200 °C

· **Flash point:** > 100 °C

· **Auto-ignition temperature:** Product is not selfigniting.

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· <b>Explosive properties:</b>	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
· <b>Density at 20 °C:</b>	1.8 g/cm <sup>3</sup>
· <b>Solubility in / Miscibility with water:</b>	Insoluble.
· <b>Viscosity:</b>	
<b>Dynamic at 20 °C:</b>	8-11 Pas
· <b>9.2 Other information</b>	No further relevant information available.

### SECTION 10: Stability and reactivity

- **10.1 Reactivity** No decomposition if used and stored according to specifications.
- **10.2 Chemical stability** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions**  
Reacts with acids, alkalis and oxidising agents.  
Reacts with amines.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **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** Based on available data, the classification criteria are not met.

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

**25068-38-6 Reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700)**

Oral	LD50	15000 mg/kg (rat)
Dermal	LD50	23000 mg/kg (rabbit)
	LD 50	> 2000 mg/kg (rat)

**9003-36-5 reaction product: bisphenol-F-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700)**

Oral	LD 50	> 5000 mg/kg (rat)
Dermal	LD 50	> 2000 mg/kg (rat)

**16096-31-4 1,6-bis(2,3-epoxypropoxy)hexane**

Oral	LD50	2189 mg/kg (rat)
Dermal	LD 50	> 2000 mg/kg (rat)
		< 4900 mg/kg (rabbit)
Inhalative	NOEC /4h	0.035 mg/l (rat) (OECD 433, vapour)

**68081-84-5 Oxirane, mono [(C10-16-alkyloxy) methyl] derivatives**

Oral	LD50	> 5000 mg/kg (rat)
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- **Primary irritant effect:**
- **Skin corrosion/irritation**  
Causes skin irritation.
- **Serious eye damage/irritation**  
Causes serious eye irritation.

· **Subacute to chronic toxicity:**

**25068-38-6 Reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight  $\leq 700$ )**

Oral	NOAEL (subacute)	50 mg/kg (OECD 408, 90d)
Dermal	NOEL	10 mg/kg (rat) (OECD 411, 90d)
	NOAEL (subchronic)	100 mg/kg (OECD 411, 90 d)

**9003-36-5 reaction product: bisphenol-F-(epichlorhydrin) epoxy resin (number average molecular weight  $\leq 700$ )**

Oral	NOAEL	250 mg/kg (rat) (OECD 408, 90d)
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**16096-31-4 1,6-bis(2,3-epoxypropoxy)hexane**

Dermal	NOEL	2000 mg/kg (rat) (OECD 402)
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- **Sensitisation**  
May cause an allergic skin reaction.  
Sensitising effect by skin contact is possible by prolonged exposure.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**

· **Carcinogenicity**

**25068-38-6 Reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight  $\leq 700$ )**

Oral	NOAEL (carcinogenicity)	15 mg/kg (bw/day)
Dermal	NOAEL (carcinogenicity)	1 mg/kg (bw/day)

· **Reproductive toxicity/Fertility**

**25068-38-6 Reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight  $\leq 700$ )**

Oral	NOAEL (fertility)	750 mg/kg
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**9003-36-5 reaction product: bisphenol-F-(epichlorhydrin) epoxy resin (number average molecular weight  $\leq 700$ )**

Oral	NOAEL (fertility)	540 mg/kg (rat) (OECD 416, two-generation)
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· **Reproductive toxicity/Teratogenicity**

**25068-38-6 Reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight  $\leq 700$ )**

Oral	NOAEL (teratogenicity)	> 540 mg/kg (rat) (OECD 414 Prenatal Developmental Toxicity Study) 180 mg/kg (rabbit) (OECD 414 Prenatal Developmental Toxicity Study)
	NOAEL (developmental toxicity)	540 mg/kg (rat) (OECD 416, Two-Generation Study)

**9003-36-5 reaction product: bisphenol-F-(epichlorhydrin) epoxy resin (number average molecular weight  $\leq 700$ )**

Oral	NOAEL (teratogenicity)	> 300 mg/kg (rabbit) (EPA CFR)
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**16096-31-4 1,6-bis(2,3-epoxypropoxy)hexane**

Oral	NOAEL (teratogenicity)	$\geq 500$ mg/kg (rat) (OECD 422)
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NOAEL (developmental toxicity)	200 mg/kg (OECD 422)
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- **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** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

**SECTION 12: Ecological information**

· **12.1 Toxicity**

· **Aquatic toxicity:**

**25068-38-6 Reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight  $\leq 700$ )**

EC50/48h	2.7 mg/l (daphnia) (OECD 202)
EC50/72h	9.4 mg/l (Selenastrum capricornutum)
EC50/3h	> 100 mg/l (bacteria) (aerobic)
LC50/96h	3.6 mg/l (leuciscus idus)
	1.5 mg/l (oncorhynchus mykiss) (OECD 203)
NOEC	0.3 mg/l (daphnia magna) (OECD 211 21d)

**9003-36-5 reaction product: bisphenol-F-(epichlorhydrin) epoxy resin (number average molecular weight  $\leq 700$ )**

EC50/48h	1.6 mg/l (daphnia magna) (OECD 202 Part I)
EC50/72h	1.8 mg/l (Selenastrum capricornutum) (OECD 201)
EC50/3h	>100 mg/l (bacteria)
LC50/96h	0.55 mg/l (oncorhynchus mykiss) (OECD 203)
NOEC	0.3 mg/l (daphnia magna) (OECD 211)

**16096-31-4 1,6-bis(2,3-epoxypropoxy)hexane**

EC50/48h	23.1 mg/l (Pseudokirchneriella subcapitata) (OECD)
	47 mg/l (daphnia) (OECD 202)
EC50/3h	> 100 mg/l (activated slugde) (OECD 209)
LC50/96h	30 mg/l (oncorhynchus mykiss) (OECD 203)

· **12.2 Persistence and degradability**

**25068-38-6 Reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight  $\leq 700$ )**

Biodegradation 5 % (OECD 301F, 28d)

**9003-36-5 reaction product: bisphenol-F-(epichlorhydrin) epoxy resin (number average molecular weight  $\leq 700$ )**

Biodegradation 0 % (28d)

**16096-31-4 1,6-bis(2,3-epoxypropoxy)hexane**

Biodegradation 47 % (28d, OECD 301B)

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· **12.3 Bioaccumulative potential**

**25068-38-6 Reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight  $\leq 700$ )**

log Pow 3.242

BCF 31

**9003-36-5 reaction product: bisphenol-F-(epichlorhydrin) epoxy resin (number average molecular weight  $\leq 700$ )**

log Pow 2.7 - 3.6

**16096-31-4 1,6-bis(2,3-epoxypropoxy)hexane**

log Pow 0.822

· **Behaviour in environmental systems:**

· **12.4 Mobility in soil**

**25068-38-6 Reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight  $\leq 700$ )**

Koc 445

**16096-31-4 1,6-bis(2,3-epoxypropoxy)hexane**

Koc 962

· **Additional ecological information:**

· **General notes:**

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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**

07 02 08\* | other still bottoms and reaction residues

· **Uncleaned packaging:**

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

**SECTION 14: Transport information**

· **14.1 UN-Number**

· **ADR, IMDG, IATA**

UN3082

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<ul style="list-style-type: none"> <li>· <b>14.2 UN proper shipping name</b></li> <li>· <b>ADR</b></li> <li>· <b>IMDG</b></li> <li>· <b>IATA</b></li> </ul>	<p>3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight <math>\leq 700</math>))</p> <p>ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight <math>\leq 700</math>)), MARINE POLLUTANT</p> <p>ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight <math>\leq 700</math>))</p>
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· **14.3 Transport hazard class(es)**

· **ADR, IMDG, IATA**



· **Class** 9 Miscellaneous dangerous substances and articles.  
 · **Label** 9

· **14.4 Packing group**

· **ADR, IMDG, IATA**

III

· **14.5 Environmental hazards:**

· **Marine pollutant:** Symbol (fish and tree)  
 · **Special marking (ADR):** Symbol (fish and tree)  
 · **Special marking (IATA):** Symbol (fish and tree)

· **14.6 Special precautions for user**

Warning: Miscellaneous dangerous substances and articles.

· **Danger code (Kemler):** 90  
 · **EMS Number:** F-A,S-F  
 · **Stowage Category** A

· **14.7 Transport in bulk according to Annex II of Marpol and the IBC Code**

Not applicable.

· **Transport/Additional information:**

· **ADR**  
 · **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

· **Tunnel restriction code** E

· **IMDG**  
 · **Limited quantities (LQ)** 5L

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· **Exempted quantities (EQ)**

Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

**SECTION 15: Regulatory information**

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

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H411 Toxic to aquatic life with long lasting effects.

H412 Harmful to aquatic life with long lasting effects.

· **Department issuing SDS: Abteilung Labor**· **Contact: Frau S. Schaller**

· **Abbreviations and acronyms:**

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

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

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Skin Sens. 1: Skin sensitisation – 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.**