

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

Printing date 26.11.2015

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Revision: 17.11.2015

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

- **1.1 Product identifier**
  - **Trade name:** YACHTCARE EPOXY LIGHTFILLER (resin) \*NEW\*
  - **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:**

Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol  
Reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight  $\leq 700$ )  
oxirane, mono[(C12-14-alkyloxy)methyl] derivs  
Fatty acids, C18-unsatd., trimers, compds. with oleyamine  
Fatty acids, tall-oil, compds. with oleylamine

· **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.  
P261              Avoid breathing dust/fume/gas/mist/vapours/spray.  
P273              Avoid release to the environment.  
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.  
P314              Get medical advice/attention if you feel unwell.  
P391              Collect spillage.  
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.

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· <b>Dangerous components:</b>		
CAS: 9003-36-5 NLP: 500-006-8 Reg.nr.: 01-2119454392-40	Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol ⚠ Aquatic Chronic 2, H411; ⚠ Skin Irrit. 2, H315; Skin Sens. 1, H317	25-50%
CAS: 25068-38-6 NLP: 500-033-5 Reg.nr.: 01-2119456619-26	Reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700) ⚠ Aquatic Chronic 2, H411; ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317	5-<20%
CAS: 68609-97-2 EINECS: 271-846-8 Reg.nr.: 01-2119485289-22	oxirane, mono[(C12-14-alkyloxy)methyl] derivs ⚠ Skin Irrit. 2, H315; Skin Sens. 1, H317	1.0-<5.0%
CAS: 14808-60-7 EINECS: 238-878-4	Quartz (SiO <sub>2</sub> ) ⚠ STOT RE 2, H373	1.0-<5.0%
CAS: 147900-93-4 EC number: 604-612-4 Reg.nr.: 01-2119971821-33	Fatty acids, C18-unsat., trimers, compds. with oleyamine ⚠ STOT RE 2, H373; ⚠ Aquatic Chronic 2, H411; ⚠ Acute Tox. 4, H302; Skin Sens. 1B, H317	0.1-<0.5%
CAS: 64742-95-6 EC number: 918-668-5 Reg.nr.: 01-2119455851-35	Hydrocarbons, C9, aromatics ⚠ Flam. Liq. 3, H226; ⚠ Asp. Tox. 1, H304; ⚠ Aquatic Chronic 2, H411; ⚠ STOT SE 3, H335-H336	0.1-<0.5%
CAS: 85711-55-3 EINECS: 288-315-1 Reg.nr.: 01-2119974148-28	Fatty acids, tall-oil, compds. with oleylamine ⚠ STOT RE 2, H373; ⚠ Eye Dam. 1, H318; ⚠ Skin Sens. 1A, H317	0.1-<0.5%

· **Additional information:** For the wording of the listed risk 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:**

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 occurs: Get medical advice/attention.

#### · **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.

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.

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### 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.  
In case of fire, the following can be released:  
Nitrogen oxides (NO<sub>x</sub>)  
Carbon monoxide and carbon dioxide
- **5.3 Advice for firefighters**
- **Protective equipment:**  
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**  
Wear protective equipment. Keep unprotected persons away.  
Avoid contact with the eyes and skin.  
Ensure adequate ventilation  
Do not inhale gases / fumes / aerosols.  
Use suitable respiratory protective device in case of insufficient ventilation.  
Keep away from ignition sources.
- **6.2 Environmental precautions:**  
Do not allow to penetrate the ground/soil.  
Inform respective authorities in case of seepage into water course or sewage system.  
Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Send for recovery or disposal in suitable receptacles.  
Dispose of the material collected according to regulations.
- **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.  
Do not inhale dust / smoke / mist.

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- **Information about fire - and explosion protection:** 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.  
Prevent any seepage into the ground.
- **Information about storage in one common storage facility:** Store away from foodstuffs.
- **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.
- **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)

**68609-97-2 oxirane, mono[(C12-14-alkyloxy)methyl] derivs**

Oral	Acute/short-term exposure - systemic effects	1219 mg/kg bw/day (general population)
	Long-term exposure - systemic effects	1 mg/kg bw/day (general population)
Dermal	Long-term exposure - systemic effects	2.35 mg/kg bw/day (general population)
		3.9 mg/kg bw/day (worker)
	Long-term exposure - local effects	1 mg/cm <sup>2</sup> (general population)
		1.7 mg/cm <sup>2</sup> (worker)
Inhalative	Acute/short-term exposure - systemic effects	10 mg/kg bw/day (general population)
		17 mg/kg bw/day (worker)
	Acute/short-term exposure - local effects	40 mg/cm <sup>2</sup> (general population)
		68 mg/cm <sup>2</sup> (worker)
	Long-term exposure - systemic effects	4.1 mg/m <sup>3</sup> (general population)

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	Acute/short-term exposure - systemic effects	13.8 mg/m <sup>3</sup> (worker) 7.6 mg/m <sup>3</sup> (general population)
	Acute/short-term exposure - local effects	29 mg/m <sup>3</sup> (worker) 2.9 mg/m <sup>3</sup> (general population)
	Long-term exposure - local effects	9.8 mg/m <sup>3</sup> (worker) 1.46 mg/m <sup>3</sup> (general population) 0.98 mg/m <sup>3</sup> (worker)
<b>64742-95-6 Hydrocarbons, C9, aromatics</b>		
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)

· **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 hands before breaks and at the end of work.

Use skin protection cream for skin protection.

Avoid contact with the eyes and skin.

After contact with skin, wash immediately with plenty of soap and water.

· **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

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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**

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**

For special applications, it is recommended to verify the chemical resistance of the above stated protective gloves with the manufacturer.

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

· **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**

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

· **Flash point:** > 100 °C

· **Self-igniting:** Not determined.

· **Danger of explosion:** Pls. refer to section 10

· **Explosion limits:**

**Lower:** Not determined.

**Upper:** Not determined.

· **Vapour pressure:** Not determined.

· **Density at 20 °C:** 0.87 g/ml

· **Solubility in / Miscibility with**

**water:** Insoluble.

· **Viscosity:**

**Dynamic:** Not determined.

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· **9.2 Other information** 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** No decomposition if used according to specifications.
- **10.4 Conditions to avoid**  
Avoid naked flames, sparks, other ignition sources and sunlight.  
Protect from heat.
- **10.5 Incompatible materials:** Reacts with strong oxidising agents.
- **10.6 Hazardous decomposition products:**  
Formation of toxic gases is possible during heating or in case of fire.  
Pls. see additionally section 5.

### SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity**

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

**9003-36-5 Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol**

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

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

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

**68609-97-2 oxirane, mono[(C12-14-alkyloxy)methyl] derivs**

Oral	LD50	> 2000 mg/kg (rat)
Inhalative	LC50 /6h	> 0.15 mg/l (rat)

**64742-95-6 Hydrocarbons, C9, aromatics**

Oral	LD 50	> 3500 mg/kg (rat) (OECD 401)
Dermal	LD 50	> 3160 mg/kg (rabbit) (OECD 402)
Inhalative	LC50 /4h	> 6193 mg/m <sup>3</sup> (rat) (OECD Guideline 403, vapour)

**14808-60-7 Quartz (SiO<sub>2</sub>)**

Oral	LD 50	500 mg/kg (rat) (Dust)
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- **Primary irritant effect:**
- **Skin corrosion/irritation**  
Causes skin irritation.
- **Serious eye damage/irritation**  
Causes serious eye irritation.

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**· Subacute to chronic toxicity:**

**9003-36-5 Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol**

Oral	NOAEL	250 mg/kg (rat) (OECD 408, 90d)
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**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 (-) (OECD 411, 90d)
	NOAEL (subchronic)	100 mg/kg (-) (OECD 411, 90 d)

**68609-97-2 oxirane, mono[(C12-14-alkyloxy)methyl] derivs**

Dermal	NOEL	1 mg/kg (-) (per day, 90d, OECD 411)
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· **Additional toxicological information:** No further relevant information available.

· **Sensitisation** Sensitisation possible through skin contact.

· **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**

**9003-36-5 Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol**

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

**9003-36-5 Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol**

Oral	NOAEL (teratogenicity)	> 300 mg/kg (rabbit) (EPA CFR)
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**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)

**68609-97-2 oxirane, mono[(C12-14-alkyloxy)methyl] derivs**

Oral	NOAEL (developmental toxicity)	200 mg/kg (rat) (OECD 414, prenatal)
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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.

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**SECTION 12: Ecological information****12.1 Toxicity****Aquatic toxicity:****9003-36-5 Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol**

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)

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

EC50/48h	1.8 mg/l (daphnia) (OECD 202)
EC50/72h	9.4 mg/l (Selenastrum capricornutum)
EC50/3h	> 100 mg/l (bacteria) (aerobic)
LC50/96h	2 mg/l (leuciscus idus)
	1.5 mg/l (oncorhynchus mykiss) (OECD 203)
NOEC	0.3 mg/l (daphnia magna) (OECD 211 21d)

**68609-97-2 oxirane, mono[(C12-14-alkyloxy)methyl] derivs**

EC50/48h	6.07 mg/l (daphnia magna) (OECD 202)
EC50/3h	> 100 mg/l (bacteria) (OECD 209)
EL50/72h	843.75 mg/l (algae) (OECD 201)
LC50/96h	> 5000 mg/l (oncorhynchus mykiss)
NOEC	500 mg/l (Pseudokirchneriella subcapitata) (OECD 201)

**64742-95-6 Hydrocarbons, C9, aromatics**

EC50/48h	7.4 mg/l (daphnia magna)
EL50/48h	3.2 mg/l (daphnia) (OECD Guideline 202, mobility)
EL50/72h	2.9 mg/l (Pseudokirchneriella subcapitata) (OECD Guideline 201)
LL50/96h	9.2 mg/l (oncorhynchus aguabonita) (OECD Guideline 203)
NOELR (aqua chron.)	2.144 mg/l (daphnia magna) (21d, calculated by a computer model)

**12.2 Persistence and degradability****9003-36-5 Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol**

Biodegradation 0 % (-) (28d)

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

Biodegradation 5 % (-) (OECD 301F, 28d)

**68609-97-2 oxirane, mono[(C12-14-alkyloxy)methyl] derivs**

Biodegradation 87 % (-) (OECD 301F 28d)

**64742-95-6 Hydrocarbons, C9, aromatics**

Biodegradation &gt; 70 % (-) (OECD Guideline 301 F, 28d)

**Other information:** The product is difficultly biodegradable.

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**· 12.3 Bioaccumulative potential**

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log Pow | 2.7 - 3.6 (-)

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

log Pow | 3.242 (-)

BCF | 31 (-)

**68609-97-2 oxirane, mono[(C12-14-alkyloxy)methyl] derivs**

log Pow | 3.77 (-) (OECD 107)

**· Behaviour in environmental systems:**

**· 12.4 Mobility in soil** No further relevant information available.

**· Ecotoxicological effects:**

**· Remark:** Toxic for fish

**· Additional ecological information:**

**· General notes:**

Toxic for 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**

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

**· 14.2 UN proper shipping name**

**· ADR**

3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight  $\leq 700$ ))

**· IMDG**

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Reaction product: bisphenol-A-

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**Safety data sheet**  
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· **IATA** (epichlorhydrin) epoxy resin (number average molecular weight  $\leq 700$ ), MARINE POLLUTANT ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight  $\leq 700$ ))

· **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,F-S

· **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

· **Transport category**

3

· **Tunnel restriction code**

E

· **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

## 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.

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- **Seveso category E2** Hazardous to the Aquatic Environment
- **National regulations:**
- **Information about limitation of use:**  
Employment restrictions concerning juveniles must be observed.  
Employment restrictions concerning pregnant and lactating women must be observed.
- **Other regulations, limitations and prohibitive regulations**  
Adhere to the Ordinances on the Prohibition of Certain Chemicals.
- **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**

- H226 Flammable liquid and vapour.
- H302 Harmful if swallowed.
- H304 May be fatal if swallowed and enters airways.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H335 May cause respiratory irritation.
- H336 May cause drowsiness or dizziness.
- H373 May cause damage to organs through prolonged or repeated exposure.
- H411 Toxic to aquatic life with long lasting effects.

- **Department issuing MSDS:** 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
- Flam. Liq. 3: Flammable liquids, Hazard Category 3
- Acute Tox. 4: Acute toxicity, Hazard Category 4
- Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2
- Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1
- Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2
- Skin Sens. 1: Sensitisation - Skin, Hazard Category 1
- Skin Sens. 1A: Sensitisation - Skin, Hazard Category 1A
- Skin Sens. 1B: Sensitisation - Skin, Hazard Category 1B
- STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3
- STOT RE 2: Specific target organ toxicity - Repeated exposure, Hazard Category 2
- Asp. Tox. 1: Aspiration hazard, Hazard Category 1
- Aquatic Chronic 2: Hazardous to the aquatic environment - Chronic Hazard, Category 2