

Safety data sheet
according to Regulation (EC) No 1907/2006, Article 31

Printing date 13.09.2024

Version number 26 (replaces version 25)

Revision: 13.09.2024

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

- **1.1 Product identifier**
- **Creation date version 1** 06.12.2002

- **Trade name** NEUKADUR O-Paste blue AF NEW
- **Article number:** E1290

- **Utilization of the substance of the formulation:** Epoxiresin for the production of duromere
- **UFI:** 8G1K-W4ED-600T-J65Q
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.

- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Suter Kunststoffe AG
Aefligenstrasse 3
CH-3312 Fraubrunnen
Tel. +41 (0)31 763 60 60
Fax. +41 (0)31 763 60 61
e-mail: info@swiss-composite.ch
- **Further information obtainable from:** Sales Team
- **1.4 Emergency telephone number:**
Tox Info Suisse phone : 145
International: +41 (0)44 251 51 51

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SECTION 2: Hazards identification

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



GHS05 corrosion

Eye Dam. 1 H318 Causes serious eye damage.



GHS09 environment

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



GHS07

Skin Irrit. 2 H315 Causes skin 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



GHS05



GHS07



GHS09

- Signal word Danger

- Hazard-determining components of labelling:

bis[4-(2,3-epoxypropoxy)phenyl]propane

1,4-bis(2,3-epoxypropoxy)butane

Reaction mass of 2, 2' - [methylene bis (4 , 1-phenyleneoxymethylene)]dioxirane

and [2-({2-[4-(oxiran-2-ylmethoxy)benzyl] phenoxy)methyl)oxirane and [2,2'-

[methylenebis(2,1-phenyleneoxymethylene)]dioxirane

2-phenoxyethanol

- Hazard statements

H315 Causes skin irritation.

H318 Causes serious eye damage.

H317 May cause an allergic skin reaction.

H411 Toxic to aquatic life with long lasting effects.

- Precautionary statements

P261

Avoid breathing dust/fume/gas/mist/vapours/spray.

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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.

P321 Specific treatment (see on this label).

P362+P364 Take off contaminated clothing and wash it before reuse.

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

Additional information:

EUH205 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 Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

Dangerous components:

CAS: 409-21-2 EINECS: 206-991-8	silicon carbide ☠ Carc. 1B, H350i	50-75%
CAS: 1675-54-3 EINECS: 216-823-5	bis[4-(2,3-epoxypropoxy)phenyl]propane ☠ Aquatic Chronic 2, H411; ☠ Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317 Specific concentration limits: Eye Irrit. 2; H319: C ≥ 5 % Skin Irrit. 2; H315: C ≥ 5 %	25-50%
CAS: 9003-36-5 EC number: 701-263-0	Reaction mass of 2, 2' - [methylenebis(4, 1-phenyleneoxymethylene)]dioxirane and [2-([2-[4-(oxiran-2-ylmethoxy)benzyl] phenoxy)methyl]oxirane and [2,2'-[methylenebis(2,1-phenyleneoxymethylene)]dioxirane ☠ Aquatic Chronic 2, H411; ☠ Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317, EUH205	≥5-<10%
CAS: 2425-79-8 EINECS: 219-371-7	1,4-bis(2,3-epoxypropoxy)butane ☠ Eye Dam. 1, H318; ☠ Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Skin Sens. 1, H317; Aquatic Chronic 3, H412	≥3-<5%
CAS: 122-99-6 EINECS: 204-589-7	2-phenoxyethanol ☠ Eye Dam. 1, H318; ☠ Acute Tox. 4, H302; STOT SE 3, H335 ATE: LD50 oral: 1,394 mg/kg	1-2.5%

Additional information:

The above ingredients do not lead to classification, due to the physical nature of the material, the risk of inhalation is not given.

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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.

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.

If skin irritation continues, consult a doctor.

· **After eye contact:**

Protect unharmed eye.

Rinse opened eye for several minutes under running water. Then consult a doctor.

· **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.

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:**

CO₂, 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**

In case of fire, the following can be released:

toxic fume

carbon dioxide

Carbon monoxide (CO)

Hydrogen chloride (HCl)

· **5.3 Advice for firefighters**

· **Protective equipment:**

Wear fully protective suit.

Wear self-contained respiratory protective device.

· **Additional information**

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

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

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Keep away from ignition sources.
Wear protective equipment. Keep unprotected persons away.
Wear protective clothing.
- **6.2 Environmental precautions:**
Do not allow to enter sewers/ surface or ground water.
Do not allow to penetrate the ground/soil.
- **6.3 Methods and material for containment and cleaning up:**
Dispose contaminated material as waste according to section 13.
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Ensure adequate ventilation.
- **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.
Ensure that suitable extractors are available on processing machines
Take care by opening
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of 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:**
Keep container tightly closed and dry and storage in a good ventilated room.

Storage temperature: 20 - 25 °C.
- **Information about storage in one common storage facility:**
Do not store together with reducing agents, heavy-metal compounds, acids and alkalis.
Store away from foodstuffs.
- **Further information about storage conditions:**
Protect from frost.
Protect from humidity and water.
Keep container tightly sealed.
- **Storage class: 10**
- **7.3 Denomination of Origin Made in Germany**

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- **Processing information** Homogenize content before use
- **General remark** For processing instructions see data sheet

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

409-21-2 silicon carbide

OEI (Ireland)	Long-term value: 10* 3** mg/m ³ *total inh., **resp. dust; fibrous:0.1f/cc, Carc1B
WEL (Great Britain)	Long-term value: 10* 4** mg/m ³ *total inhalable **respirable

DNELs

1675-54-3 bis[4-(2,3-epoxypropoxy)phenyl]propane

Oral	DNEL Acute - systemic effects	0.5 mg/kg bw/day (General population)
Dermal	DNEL Long-term - systemic effects	0.0893 mg/kg bw/day (General population)
Inhalative	DNEL Long-term - systemic effects	0.75 mg/kg bw/day (workers)
	DNEL Long-term exposure - systemic effects	0.87 mg/m ³ (General population) 4.93 mg/m ³ (workers)

9003-36-5 Reaction mass of 2,2'-[methylenebis(4,1-phenyleneoxymethylene)]dioxirane and [2-({2-[4-(oxiran-2-ylmethoxy)benzyl]phenoxy}methyl)oxirane and [2,2'-[methylenebis(2,1-phenyleneoxymethylene)]dioxirane

Dermal	DNEL	104.15 mg/kg/d (workers)
Inhalative	DNEL	29.39 mg/m ³ (workers)

2425-79-8 1,4-bis(2,3-epoxypropoxy)butane

Oral	DNEL Long-term - systemic effects	0.33 mg/kg bw/day (General population)
Dermal	DNEL Long-term - systemic effects	3.33 mg/kg bw/day (General population)
	DNEL Long-term - systemic effects	6.66 mg/kg bw/day (workers)
Inhalative	DNEL Long-term - systemic effects	1.16 mg/m ³ (General population)
	DNEL Long-term - systemic effects	4.7 mg/m ³ (workers)

122-99-6 2-phenoxyethanol

Oral	DNEL Long-term exposure - systemic effects	17.43 mg/kg (General population)
	DNEL Short-term exposure - systemic effects	17.43 mg/kg (General population)
Dermal	DNEL Long-term - systemic effects	20.83 mg/kg (General population)

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Inhalative	DNEL Long-term exposure - systemic effects	34.72 mg/kg (workers) 2.5 mg/m ³ (General population)
	DNEL Long-term exposure - local effects	8.07 mg/m ³ (workers) 2.5 mg/m ³ (General population) 8.07 mg/m ³ (workers)

· PNECs

1675-54-3 bis[4-(2,3-epoxypropoxy)phenyl]propane

PNEC STP	10 mg/L (sewage plant)
PNEC sediment	0.341 mg/kg (freshwater- sediment)
	0.034 mg/kg (seawater - sediment)
PNEC soil	0.065 mg/kg (soil (Boden))
PNEC	0.006 mg/l (freshwater)
	0.001 mg/l (marine water)
PNEC Secondary poisoning	11 mg/kg (food)

2425-79-8 1,4-bis(2,3-epoxypropoxy)butane

PNEC	0.084 mg/kg (freshwater- sediment)
	0.0084 mg/kg (seawater - sediment)
PNEC STP	100 mg/L (sewage plant)
PNEC soil	0.0027 mg/kg (soil (Boden))
PNEC	0.024 mg/l (freshwater)
	0.0024 mg/l (marine water)
	0.24 mg/l (intermittent releases)

122-99-6 2-phenoxyethanol

PNEC STP	24.8 mg/L (sewage plant)
PNEC sediment	0.7237 mg/kg (marine water)
	7.2366 mg/kg (freshwater- sediment)
PNEC soil	1.26 mg/kg (soil (Boden))
PNEC	0.943 mg/l (freshwater)
	0.0943 mg/l (marine water)
	3.44 mg/l (intermittent releases)

· **Additional information:** The lists valid during the making were used as basis.

· 8.2 Exposure controls

· **Appropriate engineering controls** No further data; see section 7.

· **Individual protection measures, such as 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.

Avoid contact with the eyes and skin.

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· **Respiratory protection:**

Unless the exposure levels below the established exposure limits remain is no respiratory protection is required. Where exposures exceed the established exposure limits, respiratory protection to the material and the degree of exposure is recommended accordingly.

A respiratory protection unit offers the same eye and face protection.

The cutting, grinding or sanding of parts after curing can result in respirable dust. Wearing appropriate for this dust respirators may be necessary.



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.

Not necessary if room is well-ventilated.

· **Hand protection**

Preventive skin protection (3-point program) required



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**

Butyl rubber, BR

Nitrile rubber, NBR

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.

· **Eye/face protection**



Tightly sealed goggles

· **Body protection: Protective work clothing**

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SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· General Information

· Colour:	Dark blue
· Odour:	Characteristic
· Odour threshold:	Not determined.
· Melting point/freezing point:	Undetermined.
· Boiling point or initial boiling point and boiling range	200 °C
· Flammability	Not applicable.
· Lower and upper explosion limit	
· Lower:	Not determined.
· Upper:	Not determined.
· Flash point:	>200 °C
· Decomposition temperature:	ca. 150 °C
· pH	Not determined.
· Viscosity:	
· Kinematic viscosity	Not determined.
· Dynamic:	Not determined.
· Solubility	
· water:	Insoluble.
· Partition coefficient n-octanol/water (log value)	Not determined.
· Vapour pressure:	Not determined.
· Density and/or relative density	
· Density at 20 °C:	1.6 g/cm ³
· Relative density	Not determined.
· Vapour density	Not determined.

· 9.2 Other information

Category temperature : 110°C
The category temperature (*T_{exo}*) is the maximum tolerated temperature with which a reaction product or a substance can be handled without danger.

· Appearance:	
· Form:	Pasty
· Important information on protection of health and environment, and on safety.	
· Ignition temperature:	Product is not selfigniting.
· Explosive properties:	Product does not present an explosion hazard.
· Solvent content:	
· Organic solvents:	1.1 %
· VOC (EC)	17.1 g/l
· Change in condition	
· Evaporation rate	Not determined.

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Information with regard to physical hazard classes

· Explosives	Void
· Flammable gases	Void
· Aerosols	Void
· Oxidising gases	Void
· Gases under pressure	Void
· Flammable liquids	Void
· Flammable solids	Void
· Self-reactive substances and mixtures	Void
· Pyrophoric liquids	Void
· Pyrophoric solids	Void
· Self-heating substances and mixtures	Void
· Substances and mixtures, which emit flammable gases in contact with water	Void
· Oxidising liquids	Void
· Oxidising solids	Void
· Organic peroxides	Void
· Corrosive to metals	Void
· Desensitised explosives	Void

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
Exothermic polymerisation possible by temperature over 100°C.
- **10.3 Possibility of hazardous reactions** Exothermic polymerisation.
- **10.4 Conditions to avoid**
Moisture. Heat, open flames and other ignition sources. With contaminated pipes and tanks or corroded or rusty containers may lead to increased formation of hydrogen. Detail in section 7.
- **10.5 Incompatible materials:** Incompatible with oxidizing agents, acids
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.

LD/LC50 values relevant for classification:

1675-54-3 bis[4-(2,3-epoxypropoxy)phenyl]propane

Oral	LD50	15,000 mg/kg (rat)
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Dermal	LD50	23,000 mg/kg (rabbit)
9003-36-5 Reaction mass of 2,2'-[methylenebis(4,1-phenyleneoxymethylene)]dioxirane and [2-({2-[4-(oxiran-2-ylmethoxy)benzyl]phenoxy}methyl)oxirane and [2,2'-[methylenebis(2,1-phenyleneoxymethylene)]dioxirane		
Oral	LD50	10,000 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rabbit)
2425-79-8 1,4-bis(2,3-epoxypropoxy)butane		
Oral	LD50	1,163 mg/kg (rat)
Dermal	LD50	1,100 mg/kg (rat)
122-99-6 2-phenoxyethanol		
Oral	LD50	1,840 mg/kg (rat) (OECD 401 Acute Oral Toxicity) 1,394 mg/kg (ATE)

- **Skin corrosion/irritation** Causes skin irritation.
- **Serious eye damage/irritation** Causes serious eye damage.
- **Respiratory or skin sensitisation** May cause an allergic skin reaction.
- **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.
- **11.2 Information on other hazards**

· Endocrine disrupting properties		
541-02-6	2,2,4,4,6,6,8,8,10,10-decamethylcyclopentasiloxane	List II
556-67-2	octamethylcyclotetrasiloxane	List II; III
540-97-6	Dodecamethylcyclohexasiloxane	List II

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:

1675-54-3 bis[4-(2,3-epoxypropoxy)phenyl]propane	
LC50 (96 h)	2 mg/l (Oncorhynchus mykiss)
EC50 (48 h)	1.8 mg/l (Daphnia Magna)
ErC50/72h	11 mg/l (algae)
2425-79-8 1,4-bis(2,3-epoxypropoxy)butane	
LC50 (96 h)	24 mg/l (Brachydanio rerio) (OECD 203 Fish, Acute Toxicity Test)
EC50 (24h) (static)	75 mg/l (Daphnia Magna) (OECD 202 Daphnia sp. Acute Immobilisation Test)

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EL50 (72h) (static)	>160 mg/l (<i>Pseudokirchnerella Subcapitata</i>) (OECD 201 Alga, Growth Inhibition Test)
IC50 (3h) (static)	>100 mg/l (activated sludge) (OECD209 Activated Sludge, Respiration Inhibition Test)

122-99-6 2-phenoxyethanol

EC50 (48 h) (static)	>100 mg/l (D) (OECD 202 <i>Daphnia</i> sp. Acute Immobilisation Test)
NOEC / 21d (static)	9.43 mg/l (D) (OECD 211 <i>Daphnia Magna</i> Reproduction Test)
NOEC / 34 d	23 mg/l (fish) (OECD 210 Fish, Early-life Stage Toxicity Test)

- **12.2 Persistence and degradability** No further relevant information available.
- **Other information:** Elimination by adsorption onto activated sludge
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Endocrine disrupting properties**
For information on endocrine disrupting properties see section 11.
- **12.7 Other adverse effects**
- **Additional ecological information:**
- **General notes:**
Water hazard class 2 (German Regulation) (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.

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.
Must be specially treated adhering to official regulations.
Must not be disposed together with household garbage. Do not empty into drains.
In an appropriate facility or burn in an approved landfill
Dispose. All applicable local and national or regional rules.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

SECTION 14: Transport information

- | | |
|---------------------------------------|---|
| · 14.1 UN number or ID number | |
| · ADR, IMDG, IATA | UN3082 |
| · 14.2 UN proper shipping name | |
| · ADR | 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (bis[4-(2,3- |

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<p>· IMDG</p>	<p>epoxypropoxy)phenyl]propane, Reaction mass of 2, 2' - [methylenebis(4, 1-phenyleneoxymethylene)]dioxirane and [2-([4-(oxiran-2-ylmethoxy)benzyl] phenoxy)methyl]oxirane and [2,2'-[methylenebis(2,1-phenyleneoxymethylene)]dioxirane)</p> <p>ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (bis[4-(2,3-epoxypropoxy)phenyl]propane, Reaction mass of 2, 2' - [methylenebis(4, 1-phenyleneoxymethylene)]dioxirane and [2-([4-(oxiran-2-ylmethoxy)benzyl] phenoxy)methyl]oxirane and [2,2'-[methylenebis(2,1-phenyleneoxymethylene)]dioxirane), MARINE POLLUTANT</p>
<p>· IATA</p>	<p>ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (bis[4-(2,3-epoxypropoxy)phenyl]propane, Reaction mass of 2, 2' - [methylenebis(4, 1-phenyleneoxymethylene)]dioxirane and [2-([4-(oxiran-2-ylmethoxy)benzyl] phenoxy)methyl]oxirane and [2,2'-[methylenebis(2,1-phenyleneoxymethylene)]dioxirane)</p>
<p>· 14.3 Transport hazard class(es)</p> <p>· ADR</p> <div style="display: flex; align-items: center;">   </div> <p>· Class</p> <p>· Label</p>	<p>9 (M6) Miscellaneous dangerous substances and articles.</p> <p>9</p>
<p>· IMDG, IATA</p> <div style="display: flex; align-items: center;">   </div> <p>· Class</p> <p>· Label</p>	<p>9 Miscellaneous dangerous substances and articles.</p> <p>9</p>
<p>· 14.4 Packing group</p> <p>· ADR, IMDG, IATA</p>	<p>III</p>

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<ul style="list-style-type: none"> · 14.5 Environmental hazards: · Marine pollutant: · Special marking (ADR): · Special marking (IATA): 	<p>Product contains environmentally hazardous substances: bis[4-(2,3-epoxypropoxy)phenyl]propane</p> <p>Symbol (fish and tree)</p> <p>Symbol (fish and tree)</p> <p>Symbol (fish and tree)</p>
<ul style="list-style-type: none"> · 14.6 Special precautions for user · Hazard identification number (Kemler code): · EMS Number: · Stowage Category 	<p>Warning: Miscellaneous dangerous substances and articles.</p> <p>90</p> <p>F-A,S-F</p> <p>A</p>
<ul style="list-style-type: none"> · 14.7 Maritime transport in bulk according to IMO instruments 	<p>Not applicable.</p>
<p>· Transport/Additional information:</p>	
<ul style="list-style-type: none"> · ADR · Limited quantities (LQ) · Excepted quantities (EQ) · Transport category · Tunnel restriction code 	<p>5L</p> <p>Code: E1</p> <p>Maximum net quantity per inner packaging: 30 ml</p> <p>Maximum net quantity per outer packaging: 1000 ml</p> <p>3</p> <p>(-)</p>
<ul style="list-style-type: none"> · IMDG · Limited quantities (LQ) · Excepted quantities (EQ) 	<p>5L</p> <p>Code: E1</p> <p>Maximum net quantity per inner packaging: 30 ml</p> <p>Maximum net quantity per outer packaging: 1000 ml</p>
<ul style="list-style-type: none"> · UN "Model Regulation": 	<p>UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (BIS[4-(2,3-EPOXYPROPOXY)PHENYL]PROPANE, REACTION MASS OF 2,2'-[METHYLENEBIS(4,1-PHENYLENEOXYMETHYLENE)]DIOXIRANE AND [2-({2-[4-(OXIRAN-2-YLMETHOXY)BENZYL]PHENOXY}METHYL)OXIRANE AND [2,2'-[METHYLENEBIS(2,1-PHENYLENEOXYMETHYLENE)]DIOXIRANE), 9, III</p>

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SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Labelling according to Regulation (EC) No 1272/2008**
The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms**



GHS05 GHS07 GHS09

- **Signal word** Danger
- **Hazard-determining components of labelling:**
bis[4-(2,3-epoxypropoxy)phenyl]propane
1,4-bis(2,3-epoxypropoxy)butane
Reaction mass of 2,2'-[methylenebis(4,1-phenyleneoxymethylene)]dioxirane
and [2-({2-[4-(oxiran-2-ylmethoxy)benzyl]phenoxy)methyl}oxirane and [2,2'-[methylenebis(2,1-phenyleneoxymethylene)]dioxirane
2-phenoxyethanol
- **Hazard statements**
H315 Causes skin irritation.
H318 Causes serious eye damage.
H317 May cause an allergic skin reaction.
H411 Toxic to aquatic life with long lasting effects.
- **Precautionary statements**
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
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.
P321 Specific treatment (see on this label).
P362+P364 Take off contaminated clothing and wash it before reuse.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **Seveso category E2** Hazardous to the Aquatic Environment
- **Qualifying quantity (tonnes) for the application of lower-tier requirements** 200 t
- **Qualifying quantity (tonnes) for the application of upper-tier requirements** 500 t
- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3

· **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

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· **REGULATION (EU) 2019/1148**· **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

· **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients is listed.

· **Regulation (EC) No 273/2004 on drug precursors**

None of the ingredients is listed.

· **Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

None of the ingredients is listed.

· **National regulations:**· **Technical instructions (air):**

Class	Share in %
NK	1-2.5

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

- H302 Harmful if swallowed.
 H312 Harmful in contact with skin.
 H315 Causes skin irritation.
 H317 May cause an allergic skin reaction.
 H318 Causes serious eye damage.
 H319 Causes serious eye irritation.
 H332 Harmful if inhaled.
 H335 May cause respiratory irritation.
 H350i May cause cancer by inhalation.
 H411 Toxic to aquatic life with long lasting effects.
 H412 Harmful to aquatic life with long lasting effects.
 EUH205 Contains epoxy constituents. May produce an allergic reaction.

· **Recommended restriction of use**

The information in this safety data sheet corresponds to the best of our knowledge at the time of the revision. The information should give you clues for the safe handling of the product mentioned in this safety data sheet during storage, processing, transport and disposal. The details are not transferable to other products. Insofar as the product mentioned in this safety data sheet is mixed with other materials, mixed or processed, or subjected to processing, the information in this safety data sheet, unless expressly stated otherwise, can not be transferred to the new material produced in this way.

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UFI code is valid in:

Germany
Hungary
Netherlands
Slovenia
Austria
Sweden
France
Czech Republic
Poland

· **Department issuing SDS:** environment protection department· **Contact:** Herr Ottensmann Tel. +49 (0)2056-25863-7· **Date of previous version:** 12.09.2024· **Version number of previous version:** 25· **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

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)

VOC: Volatile Organic Compounds (USA, EU)

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

ATE: Acute toxicity estimate values

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

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

Skin Sens. 1: Skin sensitisation – Category 1

Carc. 1B: Carcinogenicity – Category 1B

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

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.**