

Safety data sheet

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 PRODUCT IDENTIFIER

Product name

EPOKOL MIX5 Komponenta A

UFI:

QNY2-11S4-WH13-VCC7



<https://my.chemius.net/p/1E0hUc/en/pd/en>

1.2 RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST

Relevant identified uses

Two component epoxy adhesive - component A

Uses advised against

No information.

1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

Supplier

MITOL, tovarna lepil, d.o.o., Sežana
Partizanska c. 78
6210 Sežana, Slovenia
+386 5 73 12 300 (8:00-16:00)
lilijana.kocjan@mitol.si

1.4 EMERGENCY TELEPHONE NUMBER

Emergency

112

Supplier

+386 5 73 12 300 (8:00-16:00)

SECTION 2: HAZARDS IDENTIFICATION

2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

Classification according to Regulation (EC) No 1272/2008 (CLP)

Skin Irrit. 2; H315 Causes skin irritation.
Skin Sens. 1; H317 May cause an allergic skin reaction.
Eye Irrit. 2; H319 Causes serious eye irritation.
Aquatic Chronic 2; H411 Toxic to aquatic life with long lasting effects.

2.2 LABEL ELEMENTS

Labelling according to Regulation (EC) No 1272/2008 [CLP]



Signal word: WARNING

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.
P102 Keep out of reach of children.
P261 Avoid breathing vapours.
P273 Avoid release to the environment.
P280 Wear protective gloves/eye protection/face protection.
P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.
P337 + P313 If eye irritation persists: Get medical advice/attention.
P362 + P364 Take off contaminated clothing and wash it before reuse.
P501 Dispose of contents/container in accordance with national regulation.

Contains:

bis-[4-(2,3-epoxypropoxy)phenyl]propane
Phenol, polymer with formaldehyde, glycidyl ether

2.3 OTHER HAZARDS

PBT/vPvB

No information.

Endocrine disrupting properties

No information.

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Additional information

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 SUBSTANCES

For mixtures see 3.2.

3.2 MIXTURES

Name	CAS EC Index Reach	%	Classification according to Regulation (EC) No 1272/2008 (CLP)	Specific Conc. Limits	Notes for substances
bis-[4-(2,3-epoxypropoxy)phenyl]propane	1675-54-3 216-823-5 603-073-00-2 01-2119456619-26	50-100	Skin Irrit. 2; H315 Skin Sens. 1; H317 Eye Irrit. 2; H319 Aquatic Chronic 2; H411	Skin Irrit. 2; H315; C ≥ 5% Eye Irrit. 2; H319; C ≥ 5%	/
Phenol, polymer with formaldehyde, glycidyl ether	9003-36-5 - - 01-2119454392-40	5-<7	Skin Irrit. 2; H315 Skin Sens. 1; H317 Aquatic Chronic 2; H411	/	/
[3-(2,3-epoxypropoxy)propyl]trimethoxy silane	2530-83-8 219-784-2 - 01-2119513212-58	1-<2,5	Eye Dam. 1; H318 Aquatic Chronic 3; H412	/	/

Product description

Modified epoxy resin.

SECTION 4: FIRST AID MEASURES

4.1 DESCRIPTION OF FIRST AID MEASURES

General notes

Never give anything by mouth to an unconscious person. Place patient in recovery position and ensure airway patency. Take off all contaminated clothing immediately. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Following inhalation

Remove patient to fresh air - move out of dangerous area. Victim should rest in a warm place. If symptoms occur, seek medical advice. If breathing is irregular or respiratory arrest occurs provide artificial respiration. In case of unconsciousness bring patient into stable side position and seek medical attention.

Following skin contact

Immediately remove contaminated clothing. Wash affected skin areas immediately with plenty of water and soap. Do not use solvents or thinners. If symptoms occur, seek medical attention. Wash contaminated clothes and shoes before reuse.

Following eye contact

Immediately flush eyes with running water, keeping eyelids apart. Remove contact lenses, if present and easy to do. If irritation does not stop, seek professional medical treatment!

Following ingestion

Do not induce vomiting! Rinse mouth thoroughly with water. If the affected person is lying on his back, put him into a stable side position in the case of spontaneous vomiting. Maintain an open airway. Immediately consult a doctor. Show the physician the safety data sheet or label.

4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

Following inhalation

Excessive exposure to spray mist, fog, or vapours may cause respiratory irritation. Coughing, sneezing, nasal discharge, labored breathing.

Following skin contact

Irritating to the skin. Itching, redness, pain. May cause sensitisation by skin contact (symptoms: itching, redness, rashes).

Following eye contact

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Causes severe eye irritation. Redness, tearing, pain.

Following ingestion

Irritates mucous membranes in the mouth, throat, esophagus and in gastrointestinal area. May cause nausea/vomiting and diarrhea. May cause abdominal discomfort.

4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

No information.

SECTION 5: FIREFIGHTING MEASURES

5.1 EXTINGUISHING MEDIA

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Carbon dioxide (CO₂).

Foam.

Water spray.

Sand.

Unsuitable extinguishing media

Full water jet.

5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

Hazardous combustion products

In case of a fire toxic gases can be generated; do not inhale gases/smoke. In the event of fire the following can be generated: carbon monoxide (CO), carbon dioxide (CO₂). Smoke.

5.3 ADVICE FOR FIREFIGHTERS

Protective actions

In case of fire evacuate the area. In case of fire or heating do not breathe fumes/vapours. Prolonged heating can cause an explosion. Cool containers at risk with water spray. If possible remove containers from endangered area. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for fire-fighters

Firefighters should wear appropriate protective clothing for firefighters (including helmets, protective boots and gloves) (EN 469) and self-contained breathing apparatus (SCBA) with a full face-piece (EN 137).

Additional information

Contaminated firefighting water must be disposed of in accordance with the regulations; do not allow to reach the sewage system. Contaminated firefighting water and fire residues must be disposed of in accordance with the local regulations.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

For non-emergency personnel

Protective equipment

Use personal protective equipment (Section 8). Refer to protective measures listed in Sections 7 and 8.

Precautionary measures

Ensure adequate ventilation.

Emergency procedures

Evacuate personnel. Prevent access to unprotected personnel. Prevent access to unauthorised personnel. Avoid contact with skin, eyes and clothing. Do not breathe vapour or mist.

For emergency responders

Use personal protective equipment.

6.2 ENVIRONMENTAL PRECAUTIONS

Do not allow product to reach water/drains/sewage systems or permeable soil. If accidental large entry into water or ground occurs, inform responsible authorities.

6.3 METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

For containment

Stem the spill if this does not pose risks.

For cleaning up

Absorb product (with inert material), collect it in special container and dispose it to a licensed hazardous-waste disposal contractor. Dispose in accordance with applicable regulations (see Section 13).

OTHER INFORMATION

No information.

6.4 REFERENCE TO OTHER SECTIONS

See also sections 8 and 13.

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SECTION 7: HANDLING AND STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING

Protective measures

Measures to prevent fire

Ensure adequate ventilation. Prevent contact of the substance with open flame, sparks or hot surfaces.

Measures to prevent aerosol and dust generation

Use general or local exhaust ventilation to prevent inhaling vapours and aerosols.

Measures to protect the environment

Do not discharge into drains, surface water and soil. After use immediately close container tightly.

Other measures

No information.

Advice on general occupational hygiene

Wear suitable protective equipment; see Section 8. Use good personal hygiene practices – wash hands at breaks and when done working with material. Do not eat, drink or smoke while working. Avoid contact with skin, eyes and clothes. Do not breathe vapours/mist. Do not ingest the product. Remove contaminated clothes and wash them before reuse. Persons with a history of skin sensitisation problems or asthma, allergies or chronic or recurrent respiratory disease should not be employed in any process in which this product is used.

7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Technical measures and storage conditions

Store in accordance with local regulations. Keep in a cool, dry and well ventilated place. Store at room temperature. Protect from open fire, heat and direct sunlight. Keep container closed. Keep in properly labelled containers. Keep away from oxidizers, strong alkalies and acids. Keep away from amines. Keep away from food, drink and animal feeding stuffs. Keep out of the reach of children.

Packaging materials

The original container of producer.

Requirements for storage rooms and vessels

Close opened containers after use. Put the containers upright to prevent from leaking.

Storage class

No information.

Further information on storage conditions

No information.

7.3 SPECIFIC END USE(S)

Recommendations

Consult the technical guidelines for the use of this substance/mixture.

Industrial sector specific solutions

No information.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 CONTROL PARAMETERS

Occupational Exposure limit values

No information.

Information on monitoring procedures

BS EN 14042:2003 Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents. BS EN 689:2018 Workplace exposure. Measurement of exposure by inhalation to chemical agents. Strategy for testing compliance with occupational exposure limit values. BS EN 482:2021 Workplace exposure. Procedures for the determination of the concentration of chemical agents. Basic performance requirements.

DNEL/DMEL values

For product

No information.

For components

Name	Type	Exposure route	exp. frequency	Remark	value
bis-[4-(2,3-epoxypropoxy)phenyl]propane	Worker	inhalation	long term systemic effects	/	4.93 mg/m ³
bis-[4-(2,3-epoxypropoxy)phenyl]propane	Worker	dermal	long term systemic effects	/	0.75 mg/kg bw/day

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Name	Type	Exposure route	exp. frequency	Remark	value
bis-[4-(2,3-epoxypropoxy)phenyl]propane	Consumer	inhalation	long term systemic effects	/	0.87 mg/m ³
bis-[4-(2,3-epoxypropoxy)phenyl]propane	Consumer	dermal	long term systemic effects	/	0.0893 mg/kg bw/day
bis-[4-(2,3-epoxypropoxy)phenyl]propane	Consumer	oral	long term systemic effects	/	0.5 mg/kg bw/day
[3-(2,3-epoxypropoxy)propyl]trimethoxy silane	Worker	dermal	long term systemic effects	/	10 mg/kg bw/day
[3-(2,3-epoxypropoxy)propyl]trimethoxy silane	Worker	inhalation	long term systemic effects	/	70.5 mg/m ³
[3-(2,3-epoxypropoxy)propyl]trimethoxy silane	Consumer	inhalation	long term systemic effects	/	17 mg/m ³
[3-(2,3-epoxypropoxy)propyl]trimethoxy silane	Consumer	dermal	long term systemic effects	/	5 mg/kg bw/day
[3-(2,3-epoxypropoxy)propyl]trimethoxy silane	Consumer	oral	long term systemic effects	/	5 mg/kg bw/day

PNEC values

For product

No information.

For components

Name	Exposure route	Remark	value
bis-[4-(2,3-epoxypropoxy)phenyl]propane	fresh water	/	0.006 mg/L
bis-[4-(2,3-epoxypropoxy)phenyl]propane	marine water	/	0.001 mg/L
bis-[4-(2,3-epoxypropoxy)phenyl]propane	fresh water sediment	/	0.341 mg/kg
bis-[4-(2,3-epoxypropoxy)phenyl]propane	marine water sediment	/	0.034 mg/kg
bis-[4-(2,3-epoxypropoxy)phenyl]propane	water treatment plant	/	10 mg/L
bis-[4-(2,3-epoxypropoxy)phenyl]propane	soil	dry weight	0.065 mg/kg

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Name	Exposure route	Remark	value
bis-[4-(2,3-epoxypropoxy)phenyl]propane	food chain	oral	11 mg/kg feed
bis-[4-(2,3-epoxypropoxy)phenyl]propane	water, intermittent release	/	0.018 mg/L
[3-(2,3-epoxypropoxy)propyl]trimethoxysilane	water treatment plant	/	8.2 mg/L
[3-(2,3-epoxypropoxy)propyl]trimethoxysilane	fresh water	/	0.45 mg/L
[3-(2,3-epoxypropoxy)propyl]trimethoxysilane	marine water	/	0.045 mg/L
[3-(2,3-epoxypropoxy)propyl]trimethoxysilane	water, intermittent release	fresh water	0.45 mg/L
[3-(2,3-epoxypropoxy)propyl]trimethoxysilane	fresh water sediment	dry weight	1.6 mg/kg
[3-(2,3-epoxypropoxy)propyl]trimethoxysilane	soil	dry weight	0.063 mg/kg
[3-(2,3-epoxypropoxy)propyl]trimethoxysilane	marine water sediment	dry weight	0.16 mg/kg

8.2 EXPOSURE CONTROLS

Appropriate engineering control

Substance/mixture related measures to prevent exposure during identified uses

Handle in accordance with good industrial hygiene and safety practice. Use good personal hygiene practices – wash hands at breaks and when done working with material. Do not eat, drink or smoke while working. Avoid contact with skin, eyes and clothes. Keep away from foodstuffs, beverages and feed. Do not breathe vapours/aerosols.

Structural measures to prevent exposure

No information.

Organisational measures to prevent exposure

Remove all contaminated clothes immediately and wash them before reuse. Keep eyewash bottles or personal eyewash units and emergency showers available.

Technical measures to prevent exposure

Provide good ventilation and local exhaust in areas with increased concentration. If the vapour/dust concentration exceeds the limit values despite the technical measures, wear personal protective equipment.

Personal protective equipment

Eye and face protection

Safety glasses with side protection (EN 166). Do not use contact lenses.

Hand protection

Protective gloves (EN 374). 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. Observe the manufacturer's instructions regarding the use, storage, maintenance and replacement of gloves. In case of damage or at the first signs of wear and tear, change the gloves immediately. The penetration time is determined by the protective glove manufacturer and must be observed.

Appropriate materials

Skin protection

Cotton protective clothing and shoes that cover the entire foot (EN ISO 20345).

Respiratory protection

In case of insufficient ventilation wear suitable respiratory protection. At elevated concentrations of vapours/aerosols in the air wear a mask (EN 140) with filter A2-P2 (EN 14387). 'High/elevated concentrations' means that the occupational exposure limit values have been exceeded.

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Thermal hazards

None under normal use conditions.

Environmental exposure controls

Substance/mixture related measures to prevent exposure

No information.

Instruction measures to prevent exposure

No information.

Organisational measures to prevent exposure

No information.

Technical measures to prevent exposure

Do not allow product to reach drains, sewage systems or ground water.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

Physical state

liquid

Colour

slight yellow tint

Odour

mild

Important health, safety and environmental information

Odour threshold	No information.
Melting point/Freezing point	No information.
Boiling point or initial boiling point and boiling range	> 200 °C
Flammability	No information.
Lower and upper explosion limit	No information.
Flash point	150 °C
Auto-ignition temperature	No information.
Decomposition temperature	No information.
pH	4 — 6 , conc. 1 %
Viscosity	Dynamic: 8000 — 12000 mPas at 25 °C
Solubility	No information.
Partition coefficient	No information.
Vapour pressure	No information.
Density and/or relative density	Density: 1.15 g/cm ³ at 25 °C
Relative vapour density	No information.
Particle characteristics	No information.

9.2 OTHER INFORMATION

Explosive properties	No information.
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SECTION 10: STABILITY AND REACTIVITY

10.1 REACTIVITY

Stable under recommended transport or storage conditions.

10.2 CHEMICAL STABILITY

Product is stable under normal conditions of use, recommended handling and storage conditions.

10.3 POSSIBILITY OF HAZARDOUS REACTIONS

Reactions with bases. Reacts with strong oxidising agents. Reacts with amines.

10.4 CONDITIONS TO AVOID

No special precautions required. Consider the directions for use and storage.

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10.5 INCOMPATIBLE MATERIALS

Bases.
Oxidants.
Amines.
Acids.

10.6 HAZARDOUS DECOMPOSITION PRODUCTS

In case of fire/explosion vapours/gases that pose a health hazard are released. Carbon dioxide; Carbon monoxide.
Hydrocarbons.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 INFORMATION ON HAZARD CLASSES AS DEFINED IN REGULATION (EC) NO 1272/2008

(a) Acute toxicity

For components

Name	Exposure route	Type	Species	Time	value	Method	Remark
bis-[4-(2,3-epoxypropoxy)phenyl]propane	oral	LD ₅₀	rat (female)	/	> 2000 mg/kg	OECD 420	GLP
bis-[4-(2,3-epoxypropoxy)phenyl]propane	dermal	LD ₅₀	rat (male/female)	/	> 2000 mg/kg	OECD 402	GLP
[3-(2,3-epoxypropoxy)propyl]trimethoxysilane	dermal	LD ₅₀	rabbit (male)	/	4250 mg/kg	OECD 402	/
[3-(2,3-epoxypropoxy)propyl]trimethoxysilane	inhalation (dusts/mists)	LC ₅₀	rat (male/female)	4 h	> 5.3 mg/l	OECD 403	GLP

Additional information

The product is not classified for acute toxicity.

(b) Skin corrosion/irritation

For components

Name	Species	Time	result	Method	Remark
bis-[4-(2,3-epoxypropoxy)phenyl]propane	rabbit	4 h	Irritating.	OECD 404	GLP
[3-(2,3-epoxypropoxy)propyl]trimethoxysilane	rabbit	/	Non-irritant.	OECD 404	/

Additional information

Causes skin irritation.

(c) Serious eye damage/irritation

For components

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Name	Exposure route	Species	Time	result	Method	Remark
[3-(2,3-epoxypropoxy)propyl]trimethoxysilane	/	rabbit	/	Danger of serious eye injury.	OECD 405	/

Additional information

Causes serious eye irritation.

(d) Respiratory or skin sensitisation

For components

Name	Exposure route	Species	Time	result	Method	Remark
bis-[4-(2,3-epoxypropoxy)phenyl]propane	dermal	mouse	/	Sensitizing.	OECD 429	LLNA (Local Lymph Node Assay)
[3-(2,3-epoxypropoxy)propyl]trimethoxysilane	dermal	guinea pig	/	Non sensitising.	OECD 406	Buehler test

Additional information

May cause an allergic skin reaction.

(e) (Germ cell) mutagenicity

No information.

(f) Carcinogenicity

No information.

(g) Reproductive toxicity

No information.

Summary of evaluation of the CMR properties

The product is not classified as carcinogenic, mutagenic or toxic for reproduction.

(h) STOT-single exposure

No information.

Additional information

STOT SE (single exposure): Not classified.

(i) STOT-repeated exposure

No information.

Additional information

STOT RE (repeated exposure): Not classified.

(j) Aspiration hazard

For components

Name	result	Method	Remark
bis-[4-(2,3-epoxypropoxy)phenyl]propane	Aspiration hazard: Not Classified.	/	/

Additional information

Aspiration hazard: Not classified.

Symptoms related to the physical, chemical and toxicological characteristics

No information.

Interactive effects

No information.

11.2 INFORMATION ON OTHER HAZARDS

Endocrine disrupting properties

No information.

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Other information

No information.

SECTION 12: ECOLOGICAL INFORMATION

12.1 TOXICITY

Acute (short-term) toxicity

For components

Name	Type	value	Exposure time	Species	organism	Method	Remark
bis-[4-(2,3-epoxypropoxy)phenyl]propane	EC ₅₀	1.7 mg/L	48 h	crustacea	<i>Daphnia magna</i>	OECD 202	GLP
[3-(2,3-epoxypropoxy)propyl]trimethoxysilane	LC ₅₀	55 mg/L	96 h	fish	<i>Cyprinus carpio</i>	Directive 67/548/EEC, Annex V, C.1.	Semi-static system

Chronic (long-term) toxicity

For components

Name	Type	value	Exposure time	Species	organism	Method	Remark
bis-[4-(2,3-epoxypropoxy)phenyl]propane	NOEC	0.3 mg/l	21 days	crustacea	<i>Daphnia magna</i>	OECD 211	semi-static, experimental value, GLP
[3-(2,3-epoxypropoxy)propyl]trimethoxysilane	NOEC	> 100 mg/l	21 days	crustacea	<i>Daphnia magna</i>	OECD 211	semi-static, experimental value, GLP

12.2 PERSISTENCE AND DEGRADABILITY

Abiotic degradation, physical- and photo-chemical elimination

No information.

Biodegradation

For components

Name	Type	Rate	Time	Evaluation	Method	Remark
bis-[4-(2,3-epoxypropoxy)phenyl]propane	aerobic	%	/	not readily biodegradable	OECD 301 F	GLP
[3-(2,3-epoxypropoxy)propyl]trimethoxysilane	biodegradability	/	/	Not easily biodegradable.	Directive 67/548/EEC Annex V, C.4.A.	GLP

12.3 BIOACCUMULATIVE POTENTIAL

Partition coefficient

For components



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Name	Media	value	Temperature °C	pH	Concentration	Method
bis-[4-(2,3-epoxypropoxy)phenyl]propane	Log Pow	3.242	25	7.1	/	OECD 117

Bioconcentration factor (BCF)

No information.

12.4 MOBILITY IN SOIL

Known or predicted distribution to environmental compartments

No information.

Surface tension

No information.

Adsorption/Desorption

No information.

12.5 RESULTS OF PBT AND VPVB ASSESSMENT

The product does not contain any PBT or vPvB substances in percentages greater than 0.1%.

12.6 ENDOCRINE DISRUPTING PROPERTIES

No information.

12.7 OTHER ADVERSE EFFECTS

No information.

12.8 ADDITIONAL INFORMATION

For product

Toxic to aquatic life with long lasting effects. Do not allow to reach ground water, water courses or sewage system. Handle in accordance with good working practices so that the product is not released into the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 WASTE TREATMENT METHODS

Product / Packaging disposal

Waste chemical

Do not allow product to reach drains/sewage systems. Do not dispose together with household garbage. Disposal must be made according to official regulations: deliver it to authorised collector/remover/transformer of hazardous waste. Dispose of in accordance with applicable waste disposal regulation.

Waste codes / waste designations according to LoW

No information.

Packaging

Uncleaned containers are classified as hazardous waste - they should be handled in the same manner as the contents. Cleaned uncontaminated packaging may be taken for recycling. Deliver completely emptied containers to approved waste disposal authorities. Dispose of in accordance with applicable waste disposal regulation.

Waste codes / waste designations according to LoW

No information.

Waste treatment-relevant information

No information.

Sewage disposal-relevant information

No information.









Other disposal recommendations

No information.

SECTION 14: TRANSPORT INFORMATION

ADR/RID	IMDG	IATA	ADN
14.1 UN number or ID number			
UN 3082	UN 3082	UN 3082	UN 3082
14.2 UN proper shipping name			

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ADR/RID	IMDG	IATA	ADN
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (bis-[4-(2,3-epoxypropoxy)phenyl]propane, Phenol, polymer with formaldehyde, glycidyl ether)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (bis-[4-(2,3-epoxypropoxy)phenyl]propane, Phenol, polymer with formaldehyde, glycidyl ether)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (bis-[4-(2,3-epoxypropoxy)phenyl]propane, Phenol, polymer with formaldehyde, glycidyl ether)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (bis-[4-(2,3-epoxypropoxy)phenyl]propane, Phenol, polymer with formaldehyde, glycidyl ether)
14.3 Transport hazard class(es)			
9	9	9	9
 	 	 	 
14.4 Packing group			
III	III	III	III
14.5 Environmental hazards			
YES	Marine pollutant	YES	YES
14.6 Special precautions for user			
Limited quantities 5 L Special provisions 274, 335, 375, 601 Packing Instructions P001, IBC03, LP01, R001 Special packing provisions PP1 Transport category 3 Tunnel restriction code (-)	Limited quantities 5 L EmS F-A, S-F Flash point 150 °C	Limited Quantity, Packing Instructions (Ltd Qty, Pkg Inst) Y964 Limited Quantity, Maximum Net Quantity/Package (Ltd Qty, Max Net Qty/Pkg) 30 kg G Packing Instructions (Pkg Inst) 964 Maximum Net Quantity/Package (Max Net Qty/Pkg) 450 L Cargo Aircraft Only, Packing Instructions (CAO, Pkg Inst) 964 Cargo Aircraft Only, Maximum Net Quantity/Package (CAO, Max Net Qty/Pkg) 450 L Special provisions A97, A158, A197 Excepted quantities E1 ERG code 9L	Limited quantities 5 L
14.7 Maritime transport in bulk according to IMO instruments			



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ADR/RID	IMDG	IATA	ADN
	Goods may not be carried in bulk in bulk containers, containers or vehicles.		

SECTION 15: REGULATORY INFORMATION

15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE

- Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (including last amendment Commission Regulation (EU) 2020/878)
- Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures

Information according 2004/42/EC about limitation of emissions of volatile organic compounds (VOC-guideline)

not applicable

Regulation EC 648/2004 on detergents

No information.

Special instructions

SVHC (substance of very high concern) Candidate list: The product does not contain substances on the SVHC candidate list. Seveso III, E2: hazardous to the aquatic environment. Prescribed quantity (SEVESO III, E2): Lower threshold: 200 t. Upper threshold: 500 t. RoHS EU Directive 2011/65 / EU: substances are not listed. We do not add Conflict minerals to the product.

15.2 CHEMICAL SAFETY ASSESSMENT

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

SECTION 16: OTHER INFORMATION

Indication of changes

2.2 Label elements 8.2 Exposure controls 9.1 Information on basic physical and chemical properties

Key literature references and sources for data

No information.

Abbreviations and acronyms

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ATE - Acute Toxicity Estimate

ADR - Agreement concerning the International Carriage of Dangerous Goods by Road
ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
CEN - European Committee for Standardisation
C&L - Classification and Labelling
CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
CAS# - Chemical Abstracts Service number
CMR - Carcinogen, Mutagen, or Reproductive Toxicant
CSA - Chemical Safety Assessment
CSR - Chemical Safety Report
DMEL - Derived Minimal Effect Level
DNEL - Derived No Effect Level
DPD - Dangerous Preparations Directive 1999/45/EC
DSD - Dangerous Substances Directive 67/548/EEC
DU - Downstream User
EC - European Community
ECHA - European Chemicals Agency
EC-Number - EINECS and ELINCS Number (see also EINECS and ELINCS)
EEA - European Economic Area (EU + Iceland, Liechtenstein and Norway)
EEC - European Economic Community
EINECS - European Inventory of Existing Commercial Substances
ELINCS - European List of notified Chemical Substances
EN - European Standard
EQS - Environmental Quality Standard
EU - European Union
Euphrac - European Phrase Catalogue
EWC - European Waste Catalogue (replaced by LoW – see below)
GES - Generic Exposure Scenario
GHS - Globally Harmonized System
IATA - International Air Transport Association
ICAO-TI - Technical Instructions for the Safe Transport of Dangerous Goods by Air
IMDG - International Maritime Dangerous Goods
IMSBC - International Maritime Solid Bulk Cargoes
IT - Information Technology
IUCLID - International Uniform Chemical Information Database
IUPAC - International Union for Pure Applied Chemistry
JRC - Joint Research Centre
Kow - octanol-water partition coefficient
LC50 - Lethal Concentration to 50 % of a test population
LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose)
LE - Legal Entity
LoW - List of Wastes (see <http://ec.europa.eu/environment/waste/framework/list.htm>)
LR - Lead Registrant
M/I - Manufacturer / Importer
MS - Member States
MSDS - Material Safety Data Sheet
OC - Operational Conditions
OECD - Organization for Economic Co-operation and Development
OEL - Occupational Exposure Limit
OJ - Official Journal
OR - Only Representative
OSHA - European Agency for Safety and Health at work
PBT - Persistent, Bioaccumulative and Toxic substance
PEC - Predicted Effect Concentration
PNEC(s) - Predicted No Effect Concentration(s)
PPE - Personal Protection Equipment
(Q)SAR - Qualitative Structure Activity Relationship
REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
RID - Regulations concerning the International Carriage of Dangerous Goods by Rail
RIP - REACH Implementation Project
RMM - Risk Management Measure
SCBA - Self-Contained Breathing Apparatus
SDS - Safety data sheet
SIEF - Substance Information Exchange Forum
SME - Small and Medium sized Enterprises
STOT - Specific Target Organ Toxicity
(STOT) RE - Repeated Exposure
(STOT) SE - Single Exposure
SVHC - Substances of Very High Concern
UN - United Nations
vPvB - Very Persistent and Very Bioaccumulative

List of relevant H phrases

H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H411 Toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.