

WEBAC 4270 Comp. A Version 2.0

Revision date 25-Mar-2025

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

1.1 Product identifier

Trade name/designation

WEBAC 4270 Comp. A Special Epoxy Primer

1.2 Relevant identified uses of the substance or mixture and uses advised against

Restricted to professional users.

Relevant identified uses

epoxy resin component

1.3 Details of the supplier of the safety data sheet

supplier

WEBAC-Chemie GmbH Fahrenberg 22 Telephone: +49 40 670570 Telefax: +49 40 6703227 22885 Barsbüttel Germany

Department responsible for information

E-mail (competent person)

1.4 Emergency telephone number

Giftinformationszentrum-Nord

Emergency telephone number: +49 551 192 40 available 24h/365days; Information will be provided in German and English

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

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

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

msds@webac.de

Eye Irrit. 2; Serious eye damage/eye irritation; H319 Causes serious eye irritation.

Repr. 1B; Reproductive toxicity; H360F May damage fertility. Skin Irrit. 2; Skin corrosion/irritation; H315 Causes skin irritation. Skin Sens. 1; Skin sensitisation; H317 May cause an allergic skin reaction. Aquatic Chronic 2; Hazardous to the aquatic environment; H411 Toxic to aquatic life with long lasting effects.

2.2 Label elements

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

Hazard pictograms



GHS07 GHS08

Signal word

Danger

Hazard statements

H411	Toxic to aquatic life with long lasting effects.
H317	May cause an allergic skin reaction.
H315	Causes skin irritation.
H360F	May damage fertility.
H319	Causes serious eye irritation.

Precautionary statements

P201	Obtain special instructions before use.
P273	Avoid release to the environment.
P280	Wear protective gloves and eye protection/face protection.
P308 + P313	IF exposed or concerned: Get medical advice/attention.
P391	Collect spillage.



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Hazard components for labelling

2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane Hydrocarbons, C9-unsaturated, polymerized Reaction mass of 2,2'-[methylenebis(2,1-phenyleneoxymethylene)]bis(oxirane) and 2,2'-[methylenebis(4,1phenyleneoxymethylene)]bis(oxirane) and 2-((2-[4-(oxiran-2-ylmethoxy)benzyl]phenoxy)methyl)oxirane reaction products of hexane-1,6-diol with 2-(chloromethyl)oxirane (1:2)

Supplemental hazard information

EUH205

Contains epoxy constituents. May produce an allergic reaction.

Other labelling Restricted to professional users.

2.3 Other hazards

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

SECTION 3: Composition/information on ingredients.

3.2 Mixtures

Description

epoxy resin component

Hazardous ingredients

	CAS No. EC No. Index No.	Substance name REACH No. Classification according to Regulation (EC) No 1272/2008 [CLP]	weight-%
*	933999-84-9 618-939-5 -	reaction products of hexane-1,6-diol with 2-(chloromethyl)oxirane (1:2) 01-2119463471-41-xxxx Skin Irrit. 2 H315 / Skin Sens. 1 H317 / Eye Irrit. 2 H319 / Repr. 1B H360F ATE (oral): = 2,190 mg/kg	25,0 <= 50,0
*	1675-54-3 216-823-5 603-073-00-2	2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane 01-2119456619-26-xxxx Skin Irrit. 2 H315 / Skin Sens. 1 H317 / Eye Irrit. 2 H319 / Aquatic Chronic 2 H411 Specific concentration limit (SCL) Eye Irrit. 2 H319: >= 5,00 / Skin Irrit. 2 H315: >= 5,00 ATE (dermal): = 23,000 mg/kg ATE (oral): = 15,000 mg/kg	25,0 <= 50,0
*	- 701-263-0 -	Reaction mass of 2,2'-[methylenebis(2,1-phenyleneoxymethylene)]bis(oxirane) and 2,2'- [methylenebis(4,1-phenyleneoxymethylene)]bis(oxirane) and 2-((2-[4-(oxiran-2- ylmethoxy)benzyl]phenoxy)methyl)oxirane 01-2119454392-40-xxxx Skin Irrit. 2 H315 / Skin Sens. 1 H317 / Aquatic Chronic 2 H411 ATE (oral): > 5,000 mg/kg ATE (dermal): > 2,000 mg/kg	10,0 <= 25,0
*	71302-83-5 701-299-7 -	Hydrocarbons, C9-unsaturated, polymerized 01-2119555292-40-xxxx Asp. Tox. 1 H304 / Skin Sens. 1A H317 / Aquatic Chronic 3 H412	2,50 <= 10,0

Remark

Full text of H- and EUH-statements: see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness give nothing by mouth, place in recovery position and seek medical advice.

Following inhalation

Remove casualty to fresh air and keep warm and at rest. In case of irregular breathing or respiratory arrest provide artificial respiration.

Following skin contact

Remove contaminated, saturated clothing immediately. After contact with skin, wash immediately with plenty of water and soap. Do not use solvents or thinners.

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After eye contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical advice immediately.

Following ingestion

If swallowed, rinse mouth with water (only if the person is conscious). Seek medical advice immediately. Keep victim calm. Do NOT induce vomiting.

Self-protection of the first aider

First aider: Pay attention to self-protection!

4.2 Most important symptoms and effects, both acute and delayed

Symptoms

In all cases of doubt, or when symptoms persist, seek medical advice.

4.3 Indication of any immediate medical attention and special treatment needed

First Aid, decontamination, treatment of symptoms.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

alcohol resistant foam, Carbon dioxide (CO2), Powder, spray mist, (water)

Unsuitable extinguishing media

Strong water jet

5.2 Special hazards arising from the substance or mixture

Dense black smoke occurs during fire. Inhaling hazardous decomposing products can cause serious health damage.

5.3 Advice for firefighters

Provide a conveniently located respiratory protective device. Cool closed containers that are near the source of the fire. Do not allow water used to extinguish fire to enter drains, ground or waterways.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ventilate affected area. Do not breathe vapours.

6.2 Environmental precautions

Do not allow to enter into surface water or drains. If the product contaminates lakes, rivers or sewages, inform competent authorities in accordance with local regulations.

6.3 Methods and material for containment and cleaning up

For containment

Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculit, diatomaceous earth) and collect it for disposal in appropriate containers in accordance with the local regulations (see section 13).

For cleaning up

Clean using cleansing agents. Do not use solvents.

6.4 Reference to other sections

Safe handling: see section 7 Personal protection equipment: refer to section 8 Disposal: see section 13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advices on safe handling

 * Avoid contact with skin, eyes and clothes. Avoid breathing spray. Personal protection equipment: see section 8 Follow the legal protection and safety regulations.

Advices on general occupational hygiene

When using do not eat, drink or smoke.

7.2 Conditions for safe storage, including any incompatibilities



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Requirements for storage rooms and vessels

Storage in accordance with the Ordinance on Industrial Safety and Health (BetrSiVO). Access only for authorised persons. Smoking is forbidden.

Always keep in containers that correspond to the material of the original container. Store carefully closed containers upright to prevent any leaks. Do not empty containers with pressure - no pressure vessel!

Hints on joint storage

Keep away from strongly acidic and alkaline materials as well as oxidizers. Do not store together with: Food and feedingstuffs

Do not store together with. Food and

Storage class

LGK6.1C - Combustible substances of acute toxicity, category 3 / hazardous substances that are toxic or produce chronic effects

Further information on storage conditions

Store in a well-ventilated and dry room at temperatures between 5 °C and 30 °C.

7.3 Specific end use(s)

Observe technical data sheet.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values No data available Biological limit values

No data available

DNEL worker

CAS No.	Substance name	DNEL type	DNEL value
1675-54-3	2,2'-[(1-methylethylidene)bis(4,1- phenyleneoxymethylene)]bisoxirane	DNEL long-term dermal (systemic)	0.75 mg/kg bw/day
1675-54-3	2,2'-[(1-methylethylidene)bis(4,1- phenyleneoxymethylene)]bisoxirane	DNEL long-term inhalative (systemic)	4.93 mg/m³
71302-83-5	Hydrocarbons, C9-unsaturated, polymerized	DNEL long-term inhalative (systemic)	3.3 mg/m ³
71302-83-5	Hydrocarbons, C9-unsaturated, polymerized	DNEL long-term dermal (systemic)	4.7 mg/kg
-	Reaction mass of 2,2'-[methylenebis(2,1- phenyleneoxymethylene)]bis(oxirane) and 2,2'- [methylenebis(4,1-phenyleneoxymethylene)]bis(oxirane) and 2-((2-[4-(oxiran-2- ylmethoxy)benzyl]phenoxy)methyl)oxirane	DNEL long-term dermal (systemic)	104.15 mg/kg bw/ day
	Reaction mass of 2,2'-[methylenebis(2,1- phenyleneoxymethylene)]bis(oxirane) and 2,2'- [methylenebis(4,1-phenyleneoxymethylene)]bis(oxirane) and 2-((2-[4-(oxiran-2- ylmethoxy)benzyl]phenoxy)methyl)oxirane	DNEL long-term inhalative (systemic)	29.39 mg/m³
933999-84-9	reaction products of hexane-1,6-diol with 2- (chloromethyl)oxirane (1:2)	DNEL long-term dermal (systemic)	2.8 mg/kg bw/day
933999-84-9	reaction products of hexane-1,6-diol with 2- (chloromethyl)oxirane (1:2)	DNEL long-term inhalative (systemic)	4.9 mg/m ³
933999-84-9	reaction products of hexane-1,6-diol with 2- (chloromethyl)oxirane (1:2)	DNEL acute inhalative (systemic)	4.9 mg/m ³
933999-84-9	reaction products of hexane-1,6-diol with 2- (chloromethyl)oxirane (1:2)	DNEL acute dermal, short-term (local)	22.6 µg/cm²
933999-84-9	reaction products of hexane-1,6-diol with 2- (chloromethyl)oxirane (1:2)	DNEL long-term dermal (local)	22.6 µg/cm²

PNEC

CAS No.	Substance name	PNEC type	PNEC Value
1675-54-3	2,2'-[(1-methylethylidene)bis(4,1- phenyleneoxymethylene)]bisoxirane	PNEC Secondary Poisoning	11 mg/kg
1675-54-3	2,2'-[(1-methylethylidene)bis(4,1- phenyleneoxymethylene)]bisoxirane	PNEC sewage treatment plant (STP)	10 mg/L



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1675-54-3	2,2'-[(1-methylethylidene)bis(4,1- phenyleneoxymethylene)]bisoxirane	PNEC aquatic, freshwater	0.006 mg/L
1675-54-3	2,2'-[(1-methylethylidene)bis(4,1- phenyleneoxymethylene)]bisoxirane	PNEC aquatic, marine water	0.001 mg/L
1675-54-3	2,2'-[(1-methylethylidene)bis(4,1- phenyleneoxymethylene)]bisoxirane	PNEC sediment, marine water	0.034 mg/kg
1675-54-3	2,2'-[(1-methylethylidene)bis(4,1- phenyleneoxymethylene)]bisoxirane	PNEC sediment, freshwater	0.341 mg/kg
1675-54-3	2,2'-[(1-methylethylidene)bis(4,1- phenyleneoxymethylene)]bisoxirane	PNEC soil, freshwater	0.065 mg/kg
71302-83-5	Hydrocarbons, C9-unsaturated, polymerized	PNEC aquatic, freshwater	0.026 mg/L
71302-83-5	Hydrocarbons, C9-unsaturated, polymerized	PNEC aquatic, intermittent release	0.54 mg/L
71302-83-5	Hydrocarbons, C9-unsaturated, polymerized	PNEC aquatic, marine water	0.003 mg/L
71302-83-5	Hydrocarbons, C9-unsaturated, polymerized	PNEC sewage treatment plant (STP)	0.26 mg/L
71302-83-5	Hydrocarbons, C9-unsaturated, polymerized	PNEC sediment, marine water	196 mg/kg
71302-83-5	Hydrocarbons, C9-unsaturated, polymerized	PNEC sediment, freshwater	1,960 mg/kg
71302-83-5	Hydrocarbons, C9-unsaturated, polymerized	PNEC soil, freshwater	391 mg/kg
-	Reaction mass of 2,2'-[methylenebis(2,1- phenyleneoxymethylene)]bis(oxirane) and 2,2'- [methylenebis(4,1-phenyleneoxymethylene)]bis(oxirane) and 2-((2-[4-(oxiran-2- ylmethoxy)benzyl]phenoxy)methyl)oxirane	PNEC aquatic, marine water	0 mg/L
-	Reaction mass of 2,2'-[methylenebis(2,1- phenyleneoxymethylene)]bis(oxirane) and 2,2'- [methylenebis(4,1-phenyleneoxymethylene)]bis(oxirane) and 2-((2-[4-(oxiran-2- ylmethoxy)benzyl]phenoxy)methyl)oxirane	PNEC aquatic, freshwater	0.003 mg/L
	Reaction mass of 2,2'-[methylenebis(2,1- phenyleneoxymethylene)]bis(oxirane) and 2,2'- [methylenebis(4,1-phenyleneoxymethylene)]bis(oxirane) and 2-((2-[4-(oxiran-2- ylmethoxy)benzyl]phenoxy)methyl)oxirane	PNEC aquatic, intermittent release	0.025 mg/L
	Reaction mass of 2,2'-[methylenebis(2,1- phenyleneoxymethylene)]bis(oxirane) and 2,2'- [methylenebis(4,1-phenyleneoxymethylene)]bis(oxirane) and 2-((2-[4-(oxiran-2- ylmethoxy)benzyl]phenoxy)methyl)oxirane	PNEC sewage treatment plant (STP)	10 mg/L
-	Reaction mass of 2,2'-[methylenebis(2,1- phenyleneoxymethylene)]bis(oxirane) and 2,2'- [methylenebis(4,1-phenyleneoxymethylene)]bis(oxirane) and 2-((2-[4-(oxiran-2- ylmethoxy)benzyl]phenoxy)methyl)oxirane	PNEC sediment, marine water	0.029 mg/kg
-	Reaction mass of 2,2'-[methylenebis(2,1- phenyleneoxymethylene)]bis(oxirane) and 2,2'- [methylenebis(4,1-phenyleneoxymethylene)]bis(oxirane) and 2-((2-[4-(oxiran-2- ylmethoxy)benzyl]phenoxy)methyl)oxirane	PNEC sediment, freshwater	0.294 mg/kg
-	Reaction mass of 2,2'-[methylenebis(2,1- phenyleneoxymethylene)]bis(oxirane) and 2,2'- [methylenebis(4,1-phenyleneoxymethylene)]bis(oxirane) and 2-((2-[4-(oxiran-2- ylmethoxy)benzyl]phenoxy)methyl)oxirane	PNEC soil, freshwater	0.237 mg/kg
933999-84-9	reaction products of hexane-1,6-diol with 2- (chloromethyl)oxirane (1:2)	PNEC aquatic, marine water	0.001 mg/L
933999-84-9	reaction products of hexane-1,6-diol with 2- (chloromethyl)oxirane (1:2)	PNEC aquatic, freshwater	0.011 mg/L
933999-84-9	reaction products of hexane-1,6-diol with 2- (chloromethyl)oxirane (1:2)	PNEC aquatic, intermittent release	0.115 mg/L
933999-84-9	reaction products of hexane-1,6-diol with 2-	PNEC sewage treatment plant (STP)	1 mg/L



WEBAC 4270 Comp. A Version 2.0 Revision date 25-Mar-2025 Print date 25-Mar-2025 * 933999-84-9 reaction products of hexane-1,6-diol with 2-0.028 mg/kg PNEC sediment, marine water (chloromethyl)oxirane (1:2) 933999-84-9 reaction products of hexane-1,6-diol with 2-PNEC sediment, freshwater 0.283 mg/kg (chloromethyl)oxirane (1:2) 933999-84-9 reaction products of hexane-1,6-diol with 2-PNEC soil, freshwater 0.223 mg/kg (chloromethyl)oxirane (1:2)

8.2 Exposure controls

Provide good ventilation. This can be achieved with local or room suction.

Personal protection equipment

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

Hand protection

Suitable material: NBR (Nitrile rubber) Thickness of the glove material >= 0.4 mm Breakthrough time >= 480 min

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves. Observe the instructions and details for use, storage, maintenance and replacement provided by the protective glove manufacturer. Penetration time of glove material depending on intensity and duration of exposure to skin. Recommended glove articles: EN ISO 374

Skin protection

Barrier creams can help protecting exposed skin areas. In no case should they be used after contact.

Eye/face protection

Eye glasses with side protection: EN 166

Wear closely fitting protective glasses in case of splashes.

Body protection

Wear suitable protective clothing. Change contaminated, saturated clothing.

Environmental exposure controls

Do not allow to enter into surface water or drains.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	Liquid
Colour	colourless
Odour	characteristic
pH	not applicable
Melting point/freezing point	not determined
Initial boiling point and boiling range	not determined
Flash point	> 101 °C
flammability	not applicable
Lower explosion limit at 20°C	not determined
Upper explosion limit at 20°C	not determined
Vapour pressure at 20°C	0.354 mbar
Relative vapour density	not applicable
Density at 20 °C	1.1 kg/l
Water solubility at 20°C	not determined
Partition coefficient: n-octanol/water	see section 12
Ignition temperature in °C	not determined
Decomposition temperature	not determined
Viscosity at 20 °C:	> 20.5 mm²/s
particle characteristics	not applicable



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9.2 Other information

not applicable

SECTION 10: Stability and reactivity

10.1 Reactivity

No hazardous reaction when handled and stored according to provisions.

10.2 Chemical stability

Stable under recommended storage and handling conditions. Please note the expiry date.

10.3 Possibility of hazardous reactions

Keep away from strong acids, strong bases and strong oxidizing agents to avoid exothermic reactions.

10.4 Conditions to avoid

Protect from moisture. Avoid high temperatures or direct sunlight.

10.5 Incompatible materials

No further relevant information available.

10.6 Hazardous decomposition products

Hazardous decomposition byproducts may form with exposure to high temperatures e.g.: Carbon dioxide (CO2), Carbon monoxide, smoke.

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.

- 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane
- LD50: dermal (Rabbit): = 23,000 mg/kg
- * LD50: oral (Rat): = 15,000 mg/kg
- Reaction mass of 2,2'-[methylenebis(2,1-phenyleneoxymethylene)]bis(oxirane) and 2,2'-[methylenebis(4,1 phenyleneoxymethylene)]bis(oxirane) and 2-((2-[4-(oxiran-2-ylmethoxy)benzyl]phenoxy)methyl)oxirane
 LD50: oral (Rat): > 5,000 mg/kg
- LD50: dermal (Rat): > 2,000 mg/kg
- * reaction products of hexane-1,6-diol with 2-(chloromethyl)oxirane (1:2)
 LD50: oral (Rat): = 2,190 mg/kg

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/eye irritation

Causes serious eye irritation.

Respiratory or skin sensitisation

May cause an allergic skin reaction.

Overall assessment on CMR properties

* May damage fertility.

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

This product does not contain a substance that has endocrine disrupting properties with respect to humans as no components meets the criteria.



WEBAC 4270 Comp. A Version 2.0 Revision date 25-Mar-2025 Print date 25-Mar-2025 **SECTION 12: Ecological information** 12.1 Toxicity Toxic to aquatic life with long lasting effects. Algae toxicity 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane ErC50: = 11 mg/L (72 h) Reaction mass of 2,2'-[methylenebis(2,1-phenyleneoxymethylene)]bis(oxirane) and 2,2'-[methylenebis(4,1phenyleneoxymethylene)]bis(oxirane) and 2-((2-[4-(oxiran-2-ylmethoxy)benzyl]phenoxy)methyl)oxirane ErC50: = 1.8 mg/L (72 h) reaction products of hexane-1,6-diol with 2-(chloromethyl)oxirane (1:2) ErC50: 23.1 mg/L (48 h) Daphnia toxicity 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane EC50 = 1.8 mg/L (48 h)Reaction mass of 2,2'-[methylenebis(2,1-phenyleneoxymethylene)]bis(oxirane) and 2,2'-[methylenebis(4,1phenyleneoxymethylene)]bis(oxirane) and 2-((2-[4-(oxiran-2-ylmethoxy)benzyl]phenoxy)methyl)oxirane EC50 = 2.55 mg/L (48 h)reaction products of hexane-1,6-diol with 2-(chloromethyl)oxirane (1:2) EC50 47 mg/L (48 h) Fish toxicity 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane LC50: (Oncorhynchus mykiss (Rainbow trout)): = 2 mg/L (96 h) Reaction mass of 2,2'-[methylenebis(2,1-phenyleneoxymethylene)]bis(oxirane) and 2,2'-[methylenebis(4,1phenyleneoxymethylene)]bis(oxirane) and 2-((2-[4-(oxiran-2-ylmethoxy)benzyl]phenoxy)methyl)oxirane LC50: = 2.54 mg/L (96 h) reaction products of hexane-1,6-diol with 2-(chloromethyl)oxirane (1:2) LC50: (Leuciscus idus (golden orfe)): 30 mg/L (96 h) 12.2 Persistence and degradability No information available. 12.3 Bioaccumulative potential reaction products of hexane-1,6-diol with 2-(chloromethyl)oxirane (1:2) Partition coefficient: n-octanol/water = 0.822 Method: OECD 107 12.4 Mobility in soil Hydrocarbons, C9-unsaturated, polymerized = 5.512.5 Results of PBT and vPvB assessment The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII. 12.6 Endocrine disrupting properties This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria. 12.7 Other adverse effects No information available. **SECTION 13: Disposal considerations** 13.1 Waste treatment methods

Product/Packaging disposal

Do not empty into drains; dispose of this material and its container in a safe way. Waste disposal according to directive 2008/98/ EC, covering waste and dangerous waste.

Waste codes/waste designations according to EWC/AVV

080409* - Waste adhesives and sealants containing organic solvents or other dangerous substances Hazardous waste according to Directive 2008/98/EC (waste framework directive).

Other disposal recommendations



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Non-contaminated packages may be recycled. Vessels not properly emptied are special waste.

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SE(CTION 14: Transport information		
14.1	UN number or ID number		
	UN 3082		
14.2	UN proper shipping name		
	Land transport (ADR/RID)		
	UMWELTGEFÄHRDENDER STOFF, FLÜSSI EPICHLORHYDRINHARZE)	G, N.A.G. (enthält BISPHENOL-A-EPICHLORHYDRINHARZE, BISPHENOL-F-	
	Sea transport (IMDG)		
*	Environmentally hazardous substance, liquid, EPICHLORHYDRIN RESINS)	n.o.s. (contains BISPHENOL-A-EPICHLORHYDRIN RESINS, BISPHENOL-F-	
	Air transport (ICAO-TI / IATA-DGR)		
*	Environmentally hazardous substance, liquid, EPICHLORHYDRIN RESINS)	n.o.s. (contains BISPHENOL-A-EPICHLORHYDRIN RESINS, BISPHENOL-F-	
14.3	Transport hazard class(es)		
	Land transport (ADR/RID) Sea transport (IMDG) Air transport (ICAO-TI / IATA-DGR)	9 9 9	
14.4	Packing group		
	Land transport (ADR/RID) Sea transport (IMDG) Air transport (ICAO-TI / IATA-DGR)		
14.5	Environmental hazards		
*	Land transport (ADR/RID) Sea transport (IMDG)	ENVIRONMENTALLY HAZARDOUS Marine pollutant / 2,2'-[(1-methylethylidene)bis(4,1- phenyleneoxymethylene)]bisoxirane	
14.6	Special precautions for user		
	Transport always in closed, upright and safe of of an accident or leakage. Advices on safe handling: see parts 6 - 8	containers. Make sure that persons transporting the product know what to do in case	
14.7	Maritime transport in bulk according to IMC	D instruments	
	No transport as bulk according to IBC Code.		
14.8	Additional information		
	Land transport (ADR/RID)		
	Tunnel restriction code: - Limited quantity (LQ): 5 ltr Hazard identification number (Kemler No.): 90		
	Sea transport (IMDG)		
	EmS-No.: F-A S-F Limited quantity (LQ): 5 ltr		
	Air transport (ICAO-TI / IATA-DGR)		
	not applicable		

not applicable

SECTION 15: Regulatory information

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

EU legislation

Restrictions of occupation

Observe employment restrictions under the Maternity Protection Directive 92/85/EEC or stricter national regulations, if applicable. Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC) or stricter national regulations, if applicable.

Directive 2010/75/EU on industrial emissions [Industrial Emissions Directive]

VOC value: 0 g/l



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Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances [Seveso-III-Directive]

Hazard categories / Named dangerous substances

E2 Hazardous to the aquatic environment in Category Chronic 2 Quantity 1: 200t; Quantity 2: 500t

National regulations

Observe in addition any national regulations!

15.2 Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

List of relevant hazard statements and/or precautionary statements from sections 2 to 15

H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H360F	May damage fertility.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

Eye Irrit. 2	Calculation method.
Repr. 1B	Calculation method.
Skin Irrit. 2	Calculation method.
Skin Sens. 1	Calculation method.
Aquatic Chronic 2	Calculation method.

Abbreviations and acronyms

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road **OEL: Occupational Exposure Limit Value** BLV: Biological limit values CAS: Chemical Abstracts Service CLP: Classification, Labelling and Packaging CMR: Carcinogenic, Mutagenic and Reprotoxic DIN: German Institute for Standardization / German industrial standard DNEL: Derived No-Effect Level EAKV: European Waste Catalogue Directive EC: Effective Concentration EC: European Community EN: European Standard IATA-DGR: International Air Transport Association - Dangerous Goods Regulations IBC Code: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk ICAO-TI: International Civil Aviation Organization Technical Instructions for the Safe Transport of Dangerous Goods by Air IMDG Code: International Maritime Code for Dangerous Goods ISO: International Organization for Standardization LC: Lethal Concentration LD: Lethal Dose MARPOL: Maritime Pollution: The International Convention for the Prevention of Pollution from Ships OECD: Organisation for Economic Cooperation and Development PBT: persistent, bioaccumulative, toxic

PNEC: Predicted No Effect Concentration

RID: Regulations concerning the International Carriage of Dangerous Goods by Rail

UN: United Nations

VOC: Volatile Organic Compounds

vPvB: very persistent and very bioaccumulative

Indication of changes

* Data changed compared with the previous version.