2K Epoxy vochtscherm, comp B

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
Reference number: 150000068
Issue date: 30/07/2024 Revision date: 30/03/2023 Supersedes version of: 17/04/2017 Version: 2.0

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

1.1. Product identifier

Product form : Mixture
Trade name : 2K Epoxy vochtscherm, comp B

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

1.2.1. Relevant identified uses

Intended for general public
Main use category : Professional use,Consumer use
Use of the substance/mixture : Epoxy resin: hardener

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Supplier
Rectavit N.V. N.V.
Ambachtenlaan 4
9080 Lochristi
Belgium
T +32 9 216 85 20, F +32 9 216 85 30
msds@rectavit.be, www.Rectavit.be

1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number	Comment
Belgium	Centre Anti-Poisons/Antigifcentrum c/o Hôpital Militaire Reine Astrid	Rue Bruyn 1 1120 Brussels	+32 70 245 245	Please dial: 070 245 245 for any urgent questions about intoxication (free of charge 24/7), if not accessible, dial: 02 264 96 30 (standard fee)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Acute toxicity (oral), Category 4	H302
Skin corrosion/irritation, Category 1, Sub-Category 1B	H314
Serious eye damage/eye irritation, Category 1	H318
Skin sensitisation, Category 1	H317
Reproductive toxicity, Category 2	H361
Specific target organ toxicity – Repeated exposure, Category 1	H372
Hazardous to the aquatic environment – Acute Hazard, Category 1	H400
Hazardous to the aquatic environment – Chronic Hazard, Category 2	H411

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

Adverse physicochemical, human health and environmental effects

Suspected of damaging fertility or the unborn child. Causes damage to organs through prolonged or repeated exposure. Harmful if swallowed. Causes severe skin burns and eye damage. May cause an allergic skin reaction. Causes serious eye damage. Very toxic to aquatic life. Toxic to aquatic life with long lasting effects.

2.2. Label elements

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

Hazard pictograms (CLP) :

GHS05 GHS07 GHS08 GHS09

Signal word (CLP) : Danger

Contains : 2,4,6-tris(dimethylaminomethyl)phenol; polyoxypropylenediamine; 3-aminomethyl-3,5,5-trimethylcyclohexylamine; m-phenylenebis(methylamine); 2-piperazin-1-ylethylamine; 1,3-bis(aminomethyl)cyclohexane; 3-aminopropyltriethoxysilane

Hazard statements (CLP) : H302 - Harmful if swallowed.
H314 - Causes severe skin burns and eye damage.
H317 - May cause an allergic skin reaction.
H361 - Suspected of damaging fertility or the unborn child.
H372 - Causes damage to organs through prolonged or repeated exposure.
H410 - Very toxic to aquatic life with long lasting effects.

Precautionary statements (CLP) : P101 - If medical advice is needed, have product container or label at hand.
P102 - Keep out of reach of children.
P280 - Wear protective clothing, eye protection, face protection, protective gloves.
P301+P330+P331+P310 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER, a doctor.
P303+P361+P353+P310 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a POISON CENTER, a doctor.
P305+P351+P338+P310 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER, a doctor.
P391 - Collect spillage.
P405 - Store locked up.
P501 - Dispose of contents, container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. Other hazards

Contains no PBT and/or vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

Component	
2,4,6-tris(dimethylaminomethyl)phenol (90-72-2)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
phenol, styrenated (61788-44-1)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
polyoxypropylenediamine (9046-10-0)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
m-phenylenebis(methylamine) (1477-55-0)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
2-piperazin-1-ylethylamine (140-31-8)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
1,3-bis(aminomethyl)cyclohexane (2579-20-6)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
3-aminopropyltriethoxysilane (919-30-2)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

Component	
salicylic acid (69-72-7)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

The mixture contains substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605

Component	
phenol, styrenated (61788-44-1)	The substance is included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605
resorcinol; 1,3-benzenediol (108-46-3)	The substance is not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
phenol, styrenated substance identified as having endocrine disrupting properties	CAS-No.: 61788-44-1 EC-No.: 262-975-0	≥ 25 – < 75	Aquatic Acute 1, H400 Aquatic Chronic 2, H411
polyoxypropylenediamine	CAS-No.: 9046-10-0 REACH-no: 01-2119557899-12	≥ 25 – < 75	Skin Corr. 1C, H314 Eye Dam. 1, H318 Aquatic Chronic 3, H412
3-aminomethyl-3,5,5-trimethylcyclohexylamine	CAS-No.: 2855-13-2 EC-No.: 220-666-8 EC Index-No.: 612-067-00-9	≥ 5 – < 50	Acute Tox. 4 (Oral), H302 (ATE=1030 mg/kg bodyweight) Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317
m-phenylenebis(methylamine) substance with national workplace exposure limit(s) (BE)	CAS-No.: 1477-55-0 EC-No.: 216-032-5 REACH-no: 01-2119480150-50	≥ 5 – < 50	Skin Sens. 1B, H317 Acute Tox. 4 (Inhalation), H332 (ATE=1,34 mg/l/4h) Acute Tox. 4 (Oral), H302 (ATE=930 mg/kg bodyweight) Skin Corr. 1B, H314 Eye Dam. 1, H318 Aquatic Chronic 3, H412 EUH071

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
2-piperazin-1-ylethylamine	CAS-No.: 140-31-8 EC-No.: 205-411-0 EC Index-No.: 612-105-00-4 REACH-no: 01-2119471486-30	≥ 10 – < 50	Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg bodyweight) Acute Tox. 3 (Dermal), H311 (ATE=866 mg/kg bodyweight) Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1, H317 Repr. 2, H361 STOT RE 1, H372 Aquatic Chronic 3, H412
2,4,6-tris(dimethylaminomethyl)phenol	CAS-No.: 90-72-2 EC-No.: 202-013-9 EC Index-No.: 603-069-00-0 REACH-no: 01-2119560597-27	< 25	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Irrit. 2, H319
1,3-bis(aminomethyl)cyclohexane	CAS-No.: 2579-20-6 EC-No.: 219-941-5 REACH-no: 01-2119543741-41	≥ 0,1 – < 5	Acute Tox. 4 (Dermal), H312 (ATE=1700 mg/kg bodyweight) Acute Tox. 4 (Oral), H302 (ATE=300 mg/kg bodyweight) Skin Corr. 1A, H314 Eye Dam. 1, H318 Aquatic Chronic 3, H412
3-aminopropyltriethoxysilane	CAS-No.: 919-30-2 EC-No.: 213-048-4 EC Index-No.: 612-108-00-0 REACH-no: 01-2119480479-24	≥ 1 – < 5	Skin Corr. 1B, H314 Skin Sens. 1, H317
salicylic acid	CAS-No.: 69-72-7 EC-No.: 200-712-3 EC Index-No.: 607-732-00-5 REACH-no: 01-2119486984-17	≥ 0,1 – < 1	Repr. 2, H361d Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg bodyweight) Eye Dam. 1, H318
resorcinol; 1,3-benzenediol	CAS-No.: 108-46-3 EC-No.: 203-585-2 EC Index-No.: 604-010-00-1	< 1	Acute Tox. 4 (Oral), H302 Eye Irrit. 2, H319 Skin Irrit. 2, H315 Aquatic Acute 1, H400

Specific concentration limits:		
Name	**Product identifier**	**Specific concentration limits (%)**
3-aminomethyl-3,5,5-trimethylcyclohexylamine	CAS-No.: 2855-13-2 EC-No.: 220-666-8 EC Index-No.: 612-067-00-9	(0,001 ≤ C ≤ 100) Skin Sens. 1A; H317

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

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : Call a physician immediately.

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact : Rinse skin with water/shower. Take off immediately all contaminated clothing. Call a physician immediately.

First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.

First-aid measures after ingestion : Rinse mouth. Do not induce vomiting. Call a physician immediately.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects after skin contact : Burns. May cause an allergic skin reaction.

Symptoms/effects after eye contact : Serious damage to eyes.

Symptoms/effects after ingestion : Burns.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. Do not breathe dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment : Collect spillage.

Methods for cleaning up : Take up liquid spill into absorbent material. Large spills: scoop solid spill into closing containers. Clean contaminated surfaces with an excess of water. Dispose of the material collected according to regulations. Wash clothing and equipment after handling. Notify authorities if product enters sewers or public waters.

Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear personal protective equipment. Do not breathe dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes.

Hygiene measures : Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store locked up. Store in a well-ventilated place. Keep cool.

Incompatible products : Heat sources.

Maximum storage period : ≈ 1 year

Packaging materials : Synthetic material.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

m-phenylenebis(methylamine) (1477-55-0)	
Belgium - Occupational Exposure Limits	
OEL STEL	0,1 mg/m³ (La mention “M” indique que lors d’une exposition supérieure à la valeur limite, des irritations apparaissent ou un danger d’intoxication aiguë existe. Le procédé de travail doit être conçu de telle façon que l’exposition ne dépasse jamais la valeur limite. Lors des mesurages, la période d’échantillonnage doit être aussi courte que possible afin de pouvoir effectuer des mesurages fiables. Le résultat des mesurages est calculé en fonction de la période d’échantillonnage.)

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

2,4,6-tris(dimethylaminomethyl)phenol (90-72-2)	
DNEL/DMEL (Workers)	
Acute - systemic effects, dermal	0,6 mg/kg bw/day
Acute - systemic effects, inhalation	2,1 mg/m³
Long-term - systemic effects, dermal	0,15 mg/kg bw/day
Long-term - systemic effects, inhalation	0,53 mg/m³
DNEL/DMEL (General population)	
Acute - systemic effects, dermal	0,075 mg/kg bw/day
Acute - systemic effects, inhalation	0,13 mg/m³
Long-term - systemic effects,oral	0,075 mg/kg bw/day

2,4,6-tris(dimethylaminomethyl)phenol (90-72-2)	
Long-term - systemic effects, inhalation	0,13 mg/m³
Long-term - systemic effects, dermal	0,075 mg/kg bw/day
PNEC (Water)	
PNEC aqua (freshwater)	0,046 mg/l
PNEC aqua (marine water)	0,005 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	0,262 mg/kg dwt
PNEC sediment (marine water)	0,026 mg/kg dwt
PNEC (Soil)	
PNEC soil	0,025 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	0,2 mg/l

phenol, styrenated (61788-44-1)	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	21 mg/kg bw/day
Long-term - systemic effects, inhalation	74 mg/m³
DNEL/DMEL (General population)	
Long-term - systemic effects,oral	7,5 mg/kg bw/day
Long-term - systemic effects, inhalation	13,1 mg/m³
Long-term - systemic effects, dermal	7,5 mg/kg bw/day
PNEC (Water)	
PNEC aqua (freshwater)	4 µg/l
PNEC aqua (marine water)	0,4 µg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	0,248 mg/kg dwt
PNEC sediment (marine water)	24,8 µg/kg dw
PNEC (Soil)	
PNEC soil	47,3 µg/kg dw
PNEC (STP)	
PNEC sewage treatment plant	36,2 mg/l

polyoxypropylenediamine (9046-10-0)	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	2,5 mg/kg bw/day
Long-term - systemic effects, inhalation	1,36 mg/m³
PNEC (Water)	
PNEC aqua (freshwater)	0,015 mg/l
PNEC aqua (marine water)	0,014 mg/l

polyoxypropylenediamine (9046-10-0)	
PNEC (Sediment)	
PNEC sediment (freshwater)	0,132 mg/kg dwt
PNEC sediment (marine water)	0,125 mg/kg dwt
PNEC (Soil)	
PNEC soil	0,018 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	7,5 mg/l

m-phenylenebis(methylamine) (1477-55-0)	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	0,33 mg/kg bw/day
Long-term - systemic effects, inhalation	1,2 mg/m³
Long-term - local effects, inhalation	0,2 mg/m³
PNEC (Water)	
PNEC aqua (freshwater)	0,094 mg/l
PNEC aqua (marine water)	0,009 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	12,4 mg/kg dwt
PNEC sediment (marine water)	1,24 mg/kg dwt
PNEC (Soil)	
PNEC soil	2,44 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	10 mg/l

2-piperazin-1-ylethylamine (140-31-8)	
DNEL/DMEL (Workers)	
Acute - systemic effects, inhalation	10,6 mg/m³
Acute - local effects, inhalation	80 mg/m³
Long-term - systemic effects, dermal	3,33 mg/kg bw/day
Long-term - systemic effects, inhalation	10,6 mg/m³
Long-term - local effects, inhalation	15 µg/m³
PNEC (Water)	
PNEC aqua (freshwater)	0,058 mg/l
PNEC aqua (marine water)	0,006 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	215 mg/kg dwt
PNEC sediment (marine water)	21,5 mg/kg dwt
PNEC (Soil)	
PNEC soil	1 mg/kg dwt

2-piperazin-1-ylethylamine (140-31-8)	
PNEC (STP)	
PNEC sewage treatment plant	250 mg/l

1,3-bis(aminomethyl)cyclohexane (2579-20-6)	
DNEL/DMEL (Workers)	
Acute - systemic effects, dermal	25,2 mg/kg bw/day
Long-term - systemic effects, dermal	0,1 mg/kg bw/day
Long-term - systemic effects, inhalation	9,47 µg/m³
PNEC (Water)	
PNEC aqua (freshwater)	0,033 mg/l
PNEC aqua (marine water)	0,003 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	0,218 mg/kg dwt
PNEC sediment (marine water)	0,022 mg/kg dwt
PNEC (Soil)	
PNEC soil	0,024 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	10 mg/l

3-aminopropyltriethoxysilane (919-30-2)	
DNEL/DMEL (Workers)	
Acute - systemic effects, dermal	8,3 mg/kg bw/day
Acute - systemic effects, inhalation	59 mg/m³
Long-term - systemic effects, dermal	8,3 mg/kg bw/day
Long-term - systemic effects, inhalation	59 mg/m³
DNEL/DMEL (General population)	
Acute - systemic effects, dermal	5 mg/kg bw/day
Acute - systemic effects, inhalation	17,4 mg/m³
Long-term - systemic effects, inhalation	17,4 mg/m³
Long-term - systemic effects, dermal	5 mg/kg bw/day
PNEC (Water)	
PNEC aqua (freshwater)	0,33 mg/l
PNEC aqua (marine water)	0,033 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	1,2 mg/kg dwt
PNEC sediment (marine water)	0,12 mg/kg dwt
PNEC (Soil)	
PNEC soil	0,05 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	13 mg/l

salicylic acid (69-72-7)	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	2,3 mg/m³
Long-term - systemic effects, inhalation	5 mg/m³
Long-term - local effects, inhalation	5 mg/m³
DNEL/DMEL (General population)	
Acute - systemic effects, oral	4 mg/kg bw/day
Long-term - systemic effects,oral	1 mg/kg bw/day
Long-term - systemic effects, inhalation	4 mg/m³
Long-term - systemic effects, dermal	1 mg/kg bw/day
PNEC (Water)	
PNEC aqua (freshwater)	0,2 mg/l
PNEC aqua (marine water)	0,02 mg/l
PNEC aqua (intermittent, freshwater)	1 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	1,42 mg/kg dwt
PNEC sediment (marine water)	0,142 mg/kg dwt
PNEC (Soil)	
PNEC soil	0,166 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	162 mg/l

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:
Ensure good ventilation of the work station.

8.2.2. Personal protection equipment

Personal protective equipment symbol(s):

8.2.2.1. Eye and face protection

Eye protection:
Safety glasses (EN 166)

8.2.2.2. Skin protection

Skin and body protection:
Protective clothing (EN 14605 or EN 13034)

Hand protection:
Protective gloves against chemicals (EN 374)

8.2.2.3. Respiratory protection

Respiratory protection:
[In case of inadequate ventilation] wear respiratory protection.

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Environmental exposure controls:
Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	:	Liquid
Colour	:	light brown.
Odour	:	Amine-like.
Odour threshold	:	Not available
Melting point	:	Not applicable
Freezing point	:	Not available
Boiling point	:	> 200 °C
Flammability	:	Non flammable.
Lower explosion limit	:	Not available
Upper explosion limit	:	Not available
Flash point	:	> 100 °C
Auto-ignition temperature	:	450 °C
Decomposition temperature	:	Not available
pH	:	8 – 11
Viscosity, kinematic	:	568,72 mm²/s
Viscosity, dynamic	:	600 mPa·s (20°C)
Solubility	:	Insoluble.
Partition coefficient n-octanol/water (Log Kow)	:	Not available
Vapour pressure	:	Not available
Vapour pressure at 50°C	:	Not available
Density	:	1,055 g/cm³ (20°C)
Relative density	:	Not available
Relative vapour density at 20°C	:	Not available
Particle characteristics	:	Not applicable

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

9.2.2. Other safety characteristics

VOC content	:	≤ 52,5 %

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral) : Harmful if swallowed.
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

2K Epoxy vochtscherm, comp B	
ATE CLP (oral)	762,41 mg/kg bodyweight

2,4,6-tris(dimethylaminomethyl)phenol (90-72-2)	
LD50 oral rat	2169 mg/kg bodyweight (OECD 401: Acute Oral Toxicity, Rat, Male / female, Experimental value, Oral, 14 day(s))

phenol, styrenated (61788-44-1)	
LD50 oral rat	> 2000 mg/kg bodyweight (OECD 423: Acute Oral Toxicity – Acute Toxic Class Method, Rat, Female, Experimental value, Oral, 14 day(s))
LD50 dermal rat	> 2000 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / female, Experimental value, Skin, 14 day(s))
LC50 Inhalation - Rat	> 4,92 mg/l (OECD 403: Acute Inhalation Toxicity, 4 h, Rat, Male / female, Experimental value, Inhalation (aerosol), 14 day(s))

polyoxypropylenediamine (9046-10-0)	
LD50 oral rat	2885 mg/kg bodyweight (Equivalent or similar to OECD 401, Rat, Male / female, Experimental value, Oral)
LD50 dermal rabbit	2980 mg/kg bodyweight (Equivalent or similar to OECD 402, 24 h, Rabbit, Male / female, Experimental value, Dermal)
LC50 Inhalation - Rat	> 0,74 mg/l air (Equivalent or similar to OECD 403, 8 h, Rat, Male / female, Experimental value, Inhalation (vapours))

m-phenylenebis(methylamine) (1477-55-0)	
LD50 oral rat	930 mg/kg bodyweight (Equivalent or similar to OECD 401, Rat, Male / female, Experimental value, Oral, 14 day(s))
LD50 dermal rat	> 3100 mg/kg bodyweight (24 h, Rat, Male / female, Experimental value, Dermal, 14 day(s))
LC50 Inhalation - Rat	1,34 mg/l (OECD 403: Acute Inhalation Toxicity, 4 h, Rat, Male / female, Experimental value, Inhalation (aerosol), 14 day(s))

2-piperazin-1-ylethylamine (140-31-8)	
LD50 oral rat	2097 mg/kg bodyweight (Rat, Male, Experimental value, Oral, 14 day(s))
LD50 dermal rabbit	866 mg/kg bw/day (24 h, Rabbit, Male, Experimental value, Dermal, 14 day(s))

1,3-bis(aminomethyl)cyclohexane (2579-20-6)	
LD50 oral rat	300 – 2000 mg/kg bodyweight (OECD 423: Acute Oral Toxicity – Acute Toxic Class Method, Rat, Female, Experimental value, Oral)
LD50 dermal rabbit	1700 mg/kg bodyweight (24 h, Rabbit, Experimental value, Skin)

3-aminopropyltriethoxysilane (919-30-2)	
LD50 oral rat	1,57 – 2,83 ml/kg (EPA OTS 798.1175, Rat, Male / female, Experimental value, Oral)
LD50 dermal rabbit	4,29 ml/kg (EPA OTS 798.1100, 24 h, Rabbit, Male / female, Experimental value, Dermal)
LC50 Inhalation - Rat [ppm]	> 5 ppm (OECD 403: Acute Inhalation Toxicity, 6 h, Rat, Male, Experimental value, Inhalation (vapours))

salicylic acid (69-72-7)	
LD50 oral rat	891 mg/kg bodyweight (Equivalent or similar to OECD 401, 14 day(s), Rat, Male, Experimental value, Oral, 14 day(s))
LD50 dermal rat	> 2000 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / female, Experimental value, Dermal, 14 day(s))

Skin corrosion/irritation : Causes severe skin burns.
pH: 8 – 11

2,4,6-tris(dimethylaminomethyl)phenol (90-72-2)	
pH	11 (10 %)

phenol, styrenated (61788-44-1)	
pH	No data available in the literature

m-phenylenebis(methylamine) (1477-55-0)	
pH	11,8 (10 %, OECD 105: Water Solubility)

2-piperazin-1-ylethylamine (140-31-8)	
pH	11,5

1,3-bis(aminomethyl)cyclohexane (2579-20-6)	
pH	No data available in the literature

salicylic acid (69-72-7)	
pH	No data available in the literature

Serious eye damage/irritation : Causes serious eye damage.
pH: 8 – 11

2,4,6-tris(dimethylaminomethyl)phenol (90-72-2)	
pH	11 (10 %)

phenol, styrenated (61788-44-1)	
pH	No data available in the literature

m-phenylenebis(methylamine) (1477-55-0)	
pH	11,8 (10 %, OECD 105: Water Solubility)

2-piperazin-1-ylethylamine (140-31-8)	
pH	11,5

1,3-bis(aminomethyl)cyclohexane (2579-20-6)	
pH	No data available in the literature

salicylic acid (69-72-7)	
pH	No data available in the literature

Respiratory or skin sensitisation : May cause an allergic skin reaction.
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified
Reproductive toxicity : Suspected of damaging fertility or the unborn child.
STOT-single exposure : Not classified
STOT-repeated exposure : Causes damage to organs through prolonged or repeated exposure.

2-piperazin-1-ylethylamine (140-31-8)	
STOT-repeated exposure	Causes damage to organs through prolonged or repeated exposure.

salicylic acid (69-72-7)	
NOAEL (oral, rat, 90 days)	50 mg/kg bodyweight Animal: rat

Aspiration hazard : Not classified

2K Epoxy vochtscherm, comp B	
Viscosity, kinematic	568,72 mm²/s

2,4,6-tris(dimethylaminomethyl)phenol (90-72-2)	
Viscosity, kinematic	No data available in the literature

phenol, styrenated (61788-44-1)	
Viscosity, kinematic	No data available in the literature

polyoxypropylenediamine (9046-10-0)	
Viscosity, kinematic	10,9 mm²/s (20 °C, OECD 114: Viscosity of Liquids)

m-phenylenebis(methylamine) (1477-55-0)	
Viscosity, kinematic	6,78 mm²/s (20 °C, OECD 114: Viscosity of Liquids)

2-piperazin-1-ylethylamine (140-31-8)	
Viscosity, kinematic	No data available in the literature

1,3-bis(aminomethyl)cyclohexane (2579-20-6)	
Viscosity, kinematic	9,8 mm²/s (20 °C, OECD 114: Viscosity of Liquids)

3-aminopropyltriethoxysilane (919-30-2)	
Viscosity, kinematic	2,105 mm²/s

salicylic acid (69-72-7)	
Viscosity, kinematic	Not applicable (solid)

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

Component	
phenol, styrenated (61788-44-1)	The substance is identified for having endocrine disrupting properties but there is no additional data available (see section 2.3)

11.2.2. Other information

No additional information available

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Very toxic to aquatic life. Toxic to aquatic life with long lasting effects.

Hazardous to the aquatic environment, short–term (acute) : Very toxic to aquatic life.

Hazardous to the aquatic environment, long–term (chronic) : Toxic to aquatic life with long lasting effects.

Not rapidly degradable

2,4,6-tris(dimethylaminomethyl)phenol (90-72-2)	
LC50 - Fish [1]	175 mg/l (APHA, 96 h, Cyprinus carpio, Static system, Fresh water, Experimental value, Nominal concentration)
ErC50 algae	84 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Desmodesmus subspicatus, Static system, Fresh water, Experimental value, GLP)

phenol, styrenated (61788-44-1)	
LC50 - Fish [1]	5,6 mg/l (96 h, Pisces, Experimental value)
EC50 - Crustacea [1]	4,6 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, Locomotor effect)
EC50 72h - Algae [1]	0,326 mg/l (Algae, Literature study)

polyoxypropylenediamine (9046-10-0)	
LC50 - Fish [1]	772,14 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Cyprinodon variegatus, Static system, Salt water, Experimental value, GLP)
EC50 - Crustacea [1]	80 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, GLP)
ErC50 algae	15 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP)

m-phenylenebis(methylamine) (1477-55-0)	
LC50 - Fish [1]	87,6 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Oryzias latipes, Semi-static system, Fresh water, Experimental value, Nominal concentration)
EC50 - Crustacea [1]	15,2 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, Locomotor effect)
ErC50 algae	33,3 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Experimental value, Nominal concentration)

2-piperazin-1-ylethylamine (140-31-8)	
LC50 - Fish [1]	2190 mg/l (96 h, Pimephales promelas, Static system, Fresh water, Experimental value)
EC50 - Crustacea [1]	58 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Experimental value, GLP)
ErC50 algae	> 1000 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Fresh water, Experimental value, GLP)

1,3-bis(aminomethyl)cyclohexane (2579-20-6)	
LC50 - Fish [1]	130 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Leuciscus idus, Semi-static system, Fresh water, Experimental value, GLP)
EC50 - Crustacea [1]	33,1 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, Locomotor effect)
ErC50 algae	56,7 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP)

3-aminopropyltriethoxysilane (919-30-2)	
LC50 - Fish [1]	> 934 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Brachydanio rerio, Semi-static system, Fresh water, Experimental value, GLP)
EC50 - Crustacea [1]	331 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, GLP)
ErC50 algae	> 1000 mg/l (EU Method C.3, 72 h, Scenedesmus subspicatus, Static system, Fresh water, Experimental value, GLP)

salicylic acid (69-72-7)	
LC50 - Fish [1]	1370 mg/l (Equivalent or similar to OECD 203, 96 h, Pimephales promelas, Flow-through system, Fresh water, Read-across, Lethal)
EC50 - Crustacea [1]	870 mg/l (Equivalent or similar to OECD 202, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, Locomotor effect)
EC50 72h - Algae [1]	> 100 mg/l (OECD 201: Alga, Growth Inhibition Test, Desmodesmus subspicatus, Experimental value)
NOEC (chronic)	10 mg/l Test organisms (species): Daphnia magna Duration: '21 d'

12.2. Persistence and degradability

2,4,6-tris(dimethylaminomethyl)phenol (90-72-2)	
Persistence and degradability	Not readily biodegradable in water.

phenol, styrenated (61788-44-1)	
Persistence and degradability	Not readily biodegradable in water.

polyoxypropylenediamine (9046-10-0)	
Persistence and degradability	Not readily biodegradable in water.

m-phenylenebis(methylamine) (1477-55-0)	
Persistence and degradability	Not readily biodegradable in water.

2-piperazin-1-ylethylamine (140-31-8)	
Persistence and degradability	Not readily biodegradable in water.
Chemical oxygen demand (COD)	0,56 g O_2/g substance

1,3-bis(aminomethyl)cyclohexane (2579-20-6)	
Persistence and degradability	Not readily biodegradable in water.

3-aminopropyltriethoxysilane (919-30-2)	
Persistence and degradability	not readily degradable in water.

salicylic acid (69-72-7)	
Persistence and degradability	Readily biodegradable in water.

12.3. Bioaccumulative potential

2,4,6-tris(dimethylaminomethyl)phenol (90-72-2)	
Partition coefficient n-octanol/water (Log Pow)	-0,66 (Experimental value, EPA OPPTS 830.7550: Partition Coefficient (n-octanol/water), Shake Flask Method, 21.5 °C)
Bioaccumulative potential	Not bioaccumulative.

phenol, styrenated (61788-44-1)	
BCF - Fish [1]	3246 l/kg (BCFBAF v3.01, Pisces, Fresh water, Weight of evidence, Fresh weight)
Partition coefficient n-octanol/water (Log Pow)	3,03 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 23.6 °C)
Bioaccumulative potential	Potential for bioaccumulation (500 ≤ BCF ≤ 5000).

polyoxypropylenediamine (9046-10-0)	
Partition coefficient n-octanol/water (Log Pow)	1,34 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 25 °C)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).

m-phenylenebis(methylamine) (1477-55-0)	
Partition coefficient n-octanol/water (Log Pow)	0,18 (Experimental value, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 25 °C)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).

2-piperazin-1-ylethylamine (140-31-8)	
BCF - Fish [1]	0,3 – 6,3 (OECD 305: Bioconcentration: Flow-Through Fish Test, 6 week(s), Cyprinus carpio, Flow-through system, Fresh water, Read-across)
Partition coefficient n-octanol/water (Log Pow)	-1,48 (Experimental value, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 20 °C)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).

1,3-bis(aminomethyl)cyclohexane (2579-20-6)	
Partition coefficient n-octanol/water (Log Pow)	0,783 (Experimental value, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 21.5 °C)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).

3-aminopropyltriethoxysilane (919-30-2)	
BCF - Fish [1]	3,4 (OECD 305: Bioconcentration: Flow-Through Fish Test, 8 week(s), Cyprinus carpio, Flow-through system, Fresh water, Experimental value, Fresh weight)
Partition coefficient n-octanol/water (Log Pow)	1,7 (QSAR, 20 °C)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).

salicylic acid (69-72-7)	
Partition coefficient n-octanol/water (Log Pow)	2,25 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 25 °C)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).

12.4. Mobility in soil

2,4,6-tris(dimethylaminomethyl)phenol (90-72-2)	
Surface tension	No data available in the literature
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	1,32 (log Koc, Calculated value)
Ecology - soil	Highly mobile in soil.

phenol, styrenated (61788-44-1)	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	3,145 (log Koc, OECD 121: Estimation of the Adsorption Coefficient (Koc) on Soil and on Sewage Sludge using High Performance Liquid Chromatography (HPLC), Experimental value)
Ecology - soil	Low potential for mobility in soil.

polyoxypropylenediamine (9046-10-0)	
Surface tension	Data waiving
Ecology - soil	No (test)data on mobility of the substance available.

m-phenylenebis(methylamine) (1477-55-0)	
Surface tension	No data available in the literature
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	3,11 (log Koc, QSAR)
Ecology - soil	Low potential for mobility in soil.

2-piperazin-1-ylethylamine (140-31-8)	
Surface tension	No data available in the literature
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	4,57 (log Koc, Read-across, GLP)
Ecology - soil	Low potential for mobility in soil.

1,3-bis(aminomethyl)cyclohexane (2579-20-6)	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	1,473 – 2,71 (log Koc, SRC PCKOCWIN v2.0, Calculated value)
Ecology - soil	Low potential for adsorption in soil.

3-aminopropyltriethoxysilane (919-30-2)	
Ecology - soil	No (test)data on mobility of the substance available.

salicylic acid (69-72-7)	
Surface tension	No data available in the literature
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	1,54 (log Koc, OECD 121: Estimation of the Adsorption Coefficient (Koc) on Soil and on Sewage Sludge using High Performance Liquid Chromatography (HPLC), Experimental value, GLP)
Ecology - soil	Highly mobile in soil.

12.5. Results of PBT and vPvB assessment

Component	
2,4,6-tris(dimethylaminomethyl)phenol (90-72-2)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
phenol, styrenated (61788-44-1)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
polyoxypropylenediamine (9046-10-0)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
m-phenylenebis(methylamine) (1477-55-0)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
2-piperazin-1-ylethylamine (140-31-8)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

Component	
1,3-bis(aminomethyl)cyclohexane (2579-20-6)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
3-aminopropyltriethoxysilane (919-30-2)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
salicylic acid (69-72-7)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

12.6. Endocrine disrupting properties

Component	
phenol, styrenated (61788-44-1)	The substance is identified for having endocrine disrupting properties but there is no additional data available (see section 2.3)

12.7. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.
Sewage disposal recommendations : Do not discharge into drains or the environment.
Ecological waste information : Avoid release to the environment.
European List of Waste (LoW, EC 2000/532) : 08 01 11* - waste paint and varnish containing organic solvents or other dangerous substances
15 01 10* - packaging containing residues of or contaminated by dangerous substances

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID /

ADR	IMDG	IATA	ADN	RID
14.1. UN number or ID number				
UN 2735	UN 2735	UN 2735	UN 2735	UN 2735
14.2. UN proper shipping name				
AMINES, LIQUID, CORROSIVE, N.O.S. (polyoxypropylenediamine ; phenol, styrenated)	AMINES, LIQUID, CORROSIVE, N.O.S. (polyoxypropylenediamine ; phenol, styrenated)	Amines, liquid, corrosive, n.o.s. (polyoxypropylenediamine ; phenol, styrenated)	AMINES, LIQUID, CORROSIVE, N.O.S. (polyoxypropylenediamine ; phenol, styrenated)	AMINES, LIQUID, CORROSIVE, N.O.S. (polyoxypropylenediamine ; phenol, styrenated)
Transport document description				
UN 2735 AMINES, LIQUID, CORROSIVE, N.O.S. (polyoxypropylenediamine ; phenol, styrenated), 8, II, (E), ENVIRONMENTALLY HAZARDOUS	UN 2735 AMINES, LIQUID, CORROSIVE, N.O.S. (polyoxypropylenediamine ; phenol, styrenated), 8, II, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS (100°C c.c.)	UN 2735 Amines, liquid, corrosive, n.o.s. (polyoxypropylenediamine ; phenol, styrenated), 8, II, ENVIRONMENTALLY HAZARDOUS	UN 2735 AMINES, LIQUID, CORROSIVE, N.O.S. (polyoxypropylenediamine ; phenol, styrenated), 8, II, ENVIRONMENTALLY HAZARDOUS	UN 2735 AMINES, LIQUID, CORROSIVE, N.O.S. (polyoxypropylenediamine ; phenol, styrenated), 8, II, ENVIRONMENTALLY HAZARDOUS
14.3. Transport hazard class(es)				
8	8	8	8	8

ADR	IMDG	IATA	ADN	RID
				
14.4. Packing group				
II	II	II	II	II
14.5. Environmental hazards				
Dangerous for the environment: Yes	Dangerous for the environment: Yes Marine pollutant: Yes	Dangerous for the environment: Yes	Dangerous for the environment: Yes	Dangerous for the environment: Yes
No supplementary information available				

14.6. Special precautions for user

Overland transport

Classification code (ADR)	:	C7
Special provisions (ADR)	:	274
Limited quantities (ADR)	:	1l
Excepted quantities (ADR)	:	E2
Packing instructions (ADR)	:	P001, IBC02
Mixed packing provisions (ADR)	:	MP15
Portable tank and bulk container instructions (ADR)	:	T11
Portable tank and bulk container special provisions (ADR)	:	TP1, TP27
Tank code (ADR)	:	L4BN
Vehicle for tank carriage	:	AT
Transport category (ADR)	:	2
Hazard identification number (Kemler No.)	:	80
Orange plates	:	
Tunnel restriction code (ADR)	:	E

Transport by sea

Special provisions (IMDG)	:	274
Limited quantities (IMDG)	:	1 L
Excepted quantities (IMDG)	:	E2
Packing instructions (IMDG)	:	P001
IBC packing instructions (IMDG)	:	IBC02
Tank instructions (IMDG)	:	T11
Tank special provisions (IMDG)	:	TP1, TP27
EmS-No. (Fire)	:	F-A
EmS-No. (Spillage)	:	S-B
Stowage category (IMDG)	:	A
Segregation (IMDG)	:	SGG18, SG35
Properties and observations (IMDG)	:	Colourless to yellowish liquids or solutions with a pungent odour. Miscible with or soluble in water. When involved in a fire, evolve toxic gases. Corrosive to most metals, especially to copper and its alloys. Reacts violently with acids. Cause burns to skin, eyes and mucous membranes.

Air transport

PCA Excepted quantities (IATA)	:	E2
PCA Limited quantities (IATA)	:	Y840
PCA limited quantity max net quantity (IATA)	:	0.5L
PCA packing instructions (IATA)	:	851
PCA max net quantity (IATA)	:	1L

CAO packing instructions (IATA)	:	855
CAO max net quantity (IATA)	:	30L
Special provisions (IATA)	:	A3, A803
ERG code (IATA)	:	8L

Inland waterway transport

Classification code (ADN)	:	C7
Special provisions (ADN)	:	274
Limited quantities (ADN)	:	1 L
Excepted quantities (ADN)	:	E2
Carriage permitted (ADN)	:	T
Equipment required (ADN)	:	PP, EP
Number of blue cones/lights (ADN)	:	0

Rail transport

Classification code (RID)	:	C7
Special provisions (RID)	:	274
Limited quantities (RID)	:	1L
Excepted quantities (RID)	:	E2
Packing instructions (RID)	:	P001, IBC02
Mixed packing provisions (RID)	:	MP15
Portable tank and bulk container instructions (RID)	:	T11
Portable tank and bulk container special provisions (RID)	:	TP1, TP27
Tank codes for RID tanks (RID)	:	L4BN
Transport category (RID)	:	2
Colis express (express parcels) (RID)	:	CE6
Hazard identification number (RID)	:	80

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

REACH Annex XVII (Restriction List)

EU restriction list (REACH Annex XVII)

Reference code	Applicable on	Entry title or description
3(b)	2K Epoxy vochtscherm, comp B ; 2,4,6-tris(dimethylaminomethyl) phenol ; polyoxypropylenediamine ; 3-aminomethyl-3,5,5-trimethylcyclohexylamine ; m-phenylenebis(methylamine) ; 2-piperazin-1-ylethylamine ; 1,3-bis(aminomethyl)cyclohexane ; 3-aminopropyltriethoxysilane	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10

EU restriction list (REACH Annex XVII)		
Reference code	**Applicable on**	**Entry title or description**
3(c)	2K Epoxy vochtscherm, comp B ; phenol, styrenated ; polyoxypropylenediamine ; m-phenylenebis(methylamine) ; 2-piperazin-1-ylethylamine ; 1,3-bis(aminomethyl)cyclohexane	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1

REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

VOC Directive (2004/42)

VOC content : ≤ 52,5 %

Seveso Directive (Disaster Risk Reduction)

Seveso Additional information : E2

Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes			
Section	**Changed item**	**Change**	**Comments**
	according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878		
3.2		Modified	

Abbreviations and acronyms:	
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
BLV	Biological limit value
BOD	Biochemical oxygen demand (BOD)
COD	Chemical oxygen demand (COD)
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC-No.	European Community number
EC50	Median effective concentration
EN	European Standard
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
VOC	Volatile Organic Compounds
CAS-No.	Chemical Abstract Service number
N.O.S.	Not Otherwise Specified
vPvB	Very Persistent and Very Bioaccumulative
ED	Endocrine disruptor

Full text of H- and EUH-statements:	
Acute Tox. 3 (Dermal)	Acute toxicity (dermal), Category 3
Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4

Full text of H- and EUH-statements:	
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment – Chronic Hazard, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3
EUH071	Corrosive to the respiratory tract.
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
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.
H361	Suspected of damaging fertility or the unborn child.
H361d	Suspected of damaging the unborn child.
H372	Causes damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
Repr. 2	Reproductive toxicity, Category 2
Skin Corr. 1A	Skin corrosion/irritation, Category 1, Sub-Category 1A
Skin Corr. 1B	Skin corrosion/irritation, Category 1, Sub-Category 1B
Skin Corr. 1C	Skin corrosion/irritation, Category 1, Sub-Category 1C
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
Skin Sens. 1A	Skin sensitisation, category 1A
Skin Sens. 1B	Skin sensitisation, category 1B
STOT RE 1	Specific target organ toxicity – Repeated exposure, Category 1

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:		
Acute Tox. 4 (Oral)	H302	Calculation method
Skin Corr. 1B	H314	Calculation method
Eye Dam. 1	H318	Calculation method
Skin Sens. 1	H317	Calculation method
Repr. 2	H361	Calculation method

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:		
STOT RE 1	H372	Calculation method
Aquatic Acute 1	H400	Calculation method
Aquatic Chronic 2	H411	Calculation method

Safety Data Sheet (SDS), EU-2023-1

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.