

Safety Data Sheet

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

Printing date 30.10.2024

Version number 5

Revision: 24.04.2023

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

1.1 Product identifier

Trade name: weberxerm 847 komp.B**Safety data sheet no.:** 358P0424-b

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

No further relevant information available.

Application of the substance / the mixture Hardening agent/ Curing agent

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

Saint-Gobain Finland Oy / Weber

PL 70

(Strömberginkuja 2)

FIN-00381 Helsinki

Tel. +358-(0)10-44 22 00

Fax +358-(0)10-44 22 295

DL-productsafety.fi@saint-gobain.com

www.fi.weber

1.4 Emergency telephone number:

0800 147 111 (toll-free)

09 471 977 (standard rate)

Finnish Poison Information Centre

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Acute Tox. 4	H302 Harmful if swallowed.
Skin Corr. 1B	H314 Causes severe skin burns and eye damage.
Eye Dam. 1	H318 Causes serious eye damage.
Skin Sens. 1	H317 May cause an allergic skin reaction.
Aquatic Chronic 3	H412 Harmful to aquatic life with long lasting effects.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

Hazard pictograms

GHS05 GHS07

Signal word Danger**Hazard-determining components of labelling:**

3-aminomethyl-3,5,5-trimethylcyclohexylamine

4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, reaction products with 3-aminomethyl-3,5,5-trimethylcyclohexylamine

3,3,5-trimethylhexamethylene-diamine

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benzyl alcohol

Hazard statements

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P260 Do not breathe spray.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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

2.3 Other hazards
Results of PBT and vPvB assessment
PBT: Does not contain PBT substances.

vPvB: Does not contain vPvB substances.

SECTION 3: Composition/information on ingredients

3.2 Mixtures
Description: Reaction resin curer based on amines and polyamines.

Dangerous components:

CAS: 2855-13-2 EINECS: 220-666-8 Index number: 612-067-00-9 Reg.nr.: 01-2119514687-32-xxxx	3-aminomethyl-3,5,5-trimethylcyclohexylamine	25-50%
	⚠ Skin Corr. 1B, H314; Eye Dam. 1, H318; ⚠ Acute Tox. 4, H302; Skin Sens. 1A, H317 Specific concentration limit: Skin Sens. 1A; H317: C ≥ 0.001 %	
CAS: 38294-64-3 NLP: 500-101-4 Reg.nr.: 01-2119965165-33-xxxx	4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, reaction products with 3-aminomethyl-3,5,5-trimethylcyclohexylamine	10-<25%
	⚠ Skin Corr. 1B, H314; Eye Dam. 1, H318; ⚠ Skin Sens. 1, H317; Aquatic Chronic 3, H412	
CAS: 100-51-6 EINECS: 202-859-9 Index number: 603-057-00-5 Reg.nr.: 01-2119492630-38-xxxx	benzyl alcohol	10-20%
	⚠ Acute Tox. 4, H302; Eye Irrit. 2, H319; Skin Sens. 1B, H317 ATE: LD50 oral: 1,200 mg/kg	
CAS: 25620-58-0 EINECS: 247-134-8	3,3,5-trimethylhexamethylene-diamine	10-<25%
	⚠ Skin Corr. 1B, H314; ⚠ Acute Tox. 4, H302; Skin Sens. 1, H317; Aquatic Chronic 3, H412	

SVHC Void

Additional information For the wording of the listed hazard statements refer to section 16.

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SECTION 4: First aid measures

4.1 Description of first aid measures

General information

Immediately remove any clothing soiled by the product.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

Never administer anything by mouth to an unconscious person.

If unconscious, place the patient in a stable side position and consult a doctor

After inhalation

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

After skin contact

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

After eye contact

Rinse opened eye for several minutes under running water. Then consult doctor. Rinse liquid should be tempered (20-30°C).

After swallowing Drink plenty of water and provide fresh air. Call for a doctor immediately.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

If swallowed, gastric irrigation with added, activated carbon.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

For safety reasons unsuitable extinguishing agents Water with full jet

5.2 Special hazards arising from the substance or mixture

In case of fire, the following can be released:

Nitrogen oxides (NO_x)

5.3 Advice for firefighters

Protective equipment:

Wear self-contained respiratory protective device.

Wear fully protective suit.

Additional information

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

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

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation.

6.2 Environmental precautions:

The product must not get into watercourses or into the soil.

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Inform respective authorities in case of seepage into water course or sewage system.

Do not drain into drains or public waters. Alert the relevant authorities if the liquid enters a sewer or open water enters.

6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose of the material collected according to regulations.

Ensure adequate ventilation.

6.4 Reference to other sections

See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Keep receptacles tightly sealed.

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

Information about fire - and explosion protection: No special measures required.

7.2 Conditions for safe storage, including any incompatibilities

Storage

Requirements to be met by storerooms and receptacles: No special requirements.

Information about storage in one common storage facility:

Store away from foodstuffs.

Store away from oxidising agents.

Further information about storage conditions:

Protect from heat and direct sunlight.

Protect from humidity and water.

Keep container tightly sealed.

Recommended storage temperature: 5-30°C.

7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

DNELs		
CAS: 2855-13-2 3-aminomethyl-3,5,5-trimethylcyclohexylamine		
Oral	Derived No Effect Level	0.3 mg/kgxday (consumer systemic long term value)
		0.3 mg/kgxday (consumer systemic short term value)
Inhalative	Derived No Effect Level	0.073 mg/m ³ (worker local short term value)
		0.073 mg/m ³ (worker local long term value)

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CAS: 38294-64-3 4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, reaction products with 3-aminomethyl-3,5,5-trimethylcyclohexylamine

Oral	Derived No Effect Level	0.05 mg/kgxday (consumer systemic long term value)
Dermal	Derived No Effect Level	0.14 mg/kgxday (worker systemic long term value)
		0.05 mg/kgxday (consumer systemic long term value)
Inhalative	Derived No Effect Level	0.493 mg/m ³ (worker systemic long term value)
		0.074 mg/m ³ (consumer systemic long term value)

CAS: 100-51-6 benzyl alcohol

Oral	Derived No Effect Level	4 mg/kgxday (consumer systemic long term value)
Dermal	Derived No Effect Level	8 mg/kgxday (worker systemic long term value)
		4 mg/kgxday (consumer systemic long term value)
Inhalative	Derived No Effect Level	22 mg/m ³ (worker systemic long term value)
		5.4 mg/m ³ (consumer systemic long term value)

PNECs

CAS: 2855-13-2 3-aminomethyl-3,5,5-trimethylcyclohexylamine

Predicted No-Effect Concentration	1.121 mg/kgxdwt (earth rating factor)
Predicted No-Effect Concentration	0.006 mg/l (sea water rating factor)
	0.06 mg/l (fresh water rating factor)

CAS: 38294-64-3 4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, reaction products with 3-aminomethyl-3,5,5-trimethylcyclohexylamine

Predicted No-Effect Concentration	864 mg/kgxdwt (earth rating factor)
Predicted No-Effect Concentration	0.001 mg/l (sea water rating factor)
	0.011 mg/l (fresh water rating factor)

CAS: 100-51-6 benzyl alcohol

Predicted No-Effect Concentration	0.456 mg/kgxdwt (earth rating factor)
Predicted No-Effect Concentration	0.1 mg/l (sea water rating factor)
	1 mg/l (fresh water rating factor)

CAS No. / Designation of material / % / Type / Value / Unit

CAS: 2855-13-2 3-aminomethyl-3,5,5-trimethylcyclohexylamine

MAK (Germany) als Dampf und Aerosol;vgl.Abschn.IIb

CAS: 100-51-6 benzyl alcohol

AGW (Germany)	Long-term value: 22 mg/m ³ , 5 ppm 2(I);DFG, H, Y, 11
HTP (Finland)	Long-term value: 45 mg/m ³ , 10 ppm

Additional information:

The applicable TRGS 900 (MAK list) was used as the basis for the preparation and/or revision of this safety data sheet.

8.2 Exposure controls

Appropriate engineering controls No further data; see section 7.

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Individual protection measures, such as personal protective equipment**General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.

Do not eat, drink, smoke or sniff while working.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

Use a moisturising skin cream after processing the product.

Respiratory protection:

Use suitable respiratory protective device in case of insufficient ventilation.

In case of brief exposure or low pollution use respiratory filter device.

In case of intensive or longer exposure use self-contained respiratory protective device.

Short term filter device:

Filter A2

Hand protection

Protective gloves.

The glove material has to be impermeable and resistant to the product/ the substance/ the mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves

Butyl rubber, BR

Nitrile rubber, NBR

Recommended thickness of the material: $\geq$ (Butyl) 0.7 mm; (NBR) 0.4 mm

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

Breakthrough time: > 480 min

Value for the permeation: Level ≤ 6

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

Eye/face protection Tightly sealed goggles

Body protection: Protective work clothing.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties**General Information**

Colour:	Light brown
Odour:	Amine-like
Odour threshold:	Not determined.
Melting point/freezing point:	Undetermined.
Boiling point or initial boiling point and boiling range	Undetermined.
Lower and upper explosion limit	
Lower:	1.2 Vol.% (DIN 51649)
Upper:	13.0 Vol. % (DIN 51649)
Flash point:	> 100 °C

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Auto-ignition temperature:	365 °C
Decomposition temperature:	Not determined.
pH	Not applicable.
Viscosity:	
Kinematic viscosity	Not determined.
dynamic:	Not determined.
Solubility	
Water:	Partly soluble
Partition coefficient n-octanol/water (log value)	Not determined.
Vapour pressure at 20 °C:	0.1 hPa
Density and/or relative density	
Density at 20 °C:	0.98 g/cm ³
Bulk density:	Not applicable.
Vapour density	Not determined.

9.2 Other information	None.
Appearance:	
Form:	Fluid
Important information on protection of health and environment, and on safety.	
Ignition temperature:	Product is not self-igniting.
Explosive properties:	Product does not present an explosion hazard.
Minimum ignition energy	
Solvent separation test:	Not determined
Solvent content:	
Organic solvents:	18.0 %
EU-VOC (%)	0.0000 %
EU-VOC (g/L)	0.0000 g/l
Change in condition	
Softening point/range	
Oxidising properties	Not determined.
Evaporation rate	Not determined.

Information with regard to physical hazard classes

Explosives	Void
Flammable gases	Void
Aerosols	Void
Oxidising gases	Void
Gases under pressure	Void
Flammable liquids	Void
Flammable solids	Void
Self-reactive substances and mixtures	Void
Pyrophoric liquids	Void
Pyrophoric solids	Void
Self-heating substances and mixtures	Void
Substances and mixtures, which emit flammable gases in contact with water	Void
Oxidising liquids	Void
Oxidising solids	Void

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Organic peroxides	Void
Corrosive to metals	Void
Desensitised explosives	Void

SECTION 10: Stability and reactivity

10.1 Reactivity No further relevant information available.

10.2 Chemical stability

Thermal decomposition / Conditions to be avoided:

No decomposition if used according to specifications.

To avoid thermal decomposition do not overheat.

10.3 Possibility of hazardous reactions Reacts with strong acids and oxidizing agents

10.4 Conditions to avoid No further relevant information available.

10.5 Incompatible materials: No further relevant information available.

10.6 Hazardous decomposition products: Irritant gases/vapours

SECTION 11: Toxicological information

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

Acute toxicity

Harmful if swallowed.

LD/LC50 values relevant for classification:

Components	/	Type	/	Value	/	Species
CAS: 2855-13-2 3-aminomethyl-3,5,5-trimethylcyclohexylamine						
Oral	LD50	1,030 mg/kg				(Rat)
Dermal	LD50	>2,000 mg/kg				(Rat)
CAS: 100-51-6 benzyl alcohol						
Oral	LD50	1,200 mg/kg				(ATE)
CAS: 25620-58-0 3,3,5-trimethylhexamethylene-diamine						
Oral	LD50	910 mg/kg				(Rat)

Primary irritant effect:

Skin corrosion/irritation

Causes severe skin burns and eye damage.

Serious eye damage/irritation Causes serious eye damage.

Respiratory or skin sensitisation

May cause an allergic skin reaction.

Germ cell mutagenicity Based on available data, the classification criteria are not met.

Carcinogenicity Based on available data, the classification criteria are not met.

Reproductive toxicity Based on available data, the classification criteria are not met.

STOT-single exposure Based on available data, the classification criteria are not met.

STOT-repeated exposure Based on available data, the classification criteria are not met.

Aspiration hazard Based on available data, the classification criteria are not met.

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11.2 Information on other hazards

Endocrine disrupting properties

None of the ingredients is listed.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity: Harmful to aquatic life with long lasting effects.

Type of test / Effective concentration / Method / Assessment

CAS: 2855-13-2 3-aminomethyl-3,5,5-trimethylcyclohexylamine

LC50/48h	388 mg/l (aquatic invertebrates)
LC50/24h	572 mg/l (aquatic invertebrates)
LC50/96h	324 mg/l (aquatic invertebrates)
	110 mg/l (Fish)
EC50/24h	27 mg/l (aquatic invertebrates)
EC50/48h	23 mg/l (aquatic invertebrates)
EC50/72h	50 mg/l (aquatic algae and cyanobacteria)
NOEC (72h)	1.5 mg/l (aquatic algae and cyanobacteria)
NOEC (96h)	100 mg/l (aquatic invertebrates)
NOEC (48h)	8.3 mg/l (aquatic invertebrates)
NOEC (21d)	3 mg/l (aquatic invertebrates)
EC 10/18h	1,120 mg/l (microorganisms)

CAS: 100-51-6 benzyl alcohol

LC50/96h	>100 mg/l (Fish)
EC50/24h	400 mg/l (aquatic invertebrates)
EC50/48h	230 mg/l (aquatic invertebrates)
EC50/72h	759 mg/l (aquatic algae and cyanobacteria)
NOEC (72h)	556 mg/l (aquatic algae and cyanobacteria)
NOEC (48h)	171 mg/l (aquatic invertebrates)
NOEC (21d)	51 mg/l (aquatic invertebrates)
EC 10/16h	658 mg/l (microorganisms)

CAS: 25620-58-0 3,3,5-trimethylhexamethylene-diamine

LC50/48h	174 mg/l (Leuciscus idus (Orfe))
LC0/96h	150 mg/l (Leuciscus idus (Orfe))
EC50/24h	31.5 mg/l (Daphnia magna)
EC50/72h	29.5 mg/l (Scenedesmus subspicatus (Algae))
EC 10	72 mg/l (Pseudomonas putida (Bacteria))

12.2 Persistence and degradability No further relevant information available.

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Method	
CAS: 2855-13-2 3-aminomethyl-3,5,5-trimethylcyclohexylamine	
Biod. (28 days)	8 %
CAS: 38294-64-3 4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, reaction products with 3-aminomethyl-3,5,5-trimethylcyclohexylamine	
Biod. (28 days)	0 %

Other information: The product is not easily biodegradable.

12.3 Bioaccumulative potential	
CAS: 2855-13-2 3-aminomethyl-3,5,5-trimethylcyclohexylamine	
EBAB	0.99 log Pow
CAS: 38294-64-3 4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, reaction products with 3-aminomethyl-3,5,5-trimethylcyclohexylamine	
EBAB	3.6 log Pow
CAS: 100-51-6 benzyl alcohol	
EBAB	1.05 log Pow (Bioaccumulation)

12.4 Mobility in soil No further relevant information available.

12.5 Results of PBT and vPvB assessment
PBT: Does not contain PBT substances.

vPvB: Does not contain vPvB substances.

12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

12.7 Other adverse effects
Remark:

The product contains substances which cause a local pH change and thus have a detrimental effect on fish and bacteria.

Harmful to fish

Behaviour in sewage processing plants:

Type of test / Effective concentration / Method / Assessment	
CAS: 38294-64-3 4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, reaction products with 3-aminomethyl-3,5,5-trimethylcyclohexylamine	
EC 50 (3h)	≥1,000 mg/l (microorganisms)

Remark: The product causes a significant pH change. Neutralise before introduction.

Additional ecological information:
General notes:

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

Harmful to aquatic organisms

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SECTION 13: Disposal considerations

13.1 Waste treatment methods

Recommendation

After mixing with the resin component pour a partial amount back into the curing agent barrel, stir well and pour the mass back once more. Cured epoxy resin products are waste that requires no particular supervision and can as a rule be disposed of as commercial waste that is similar to household rubbish.

European waste catalogue

07 02 08*	other still bottoms and reaction residues
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Uncleaned packaging:

Recommendation:

Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.

Recommended cleaning agent: Water, if necessary together with cleansing agents.

SECTION 14: Transport information

14.1 UN number or ID number

ADR, IMDG, IATA

UN2735

14.2 UN proper shipping name

ADR

2735 POLYAMINES, LIQUID, CORROSIVE, N.O.S.
(I S O P H O R O N E D I A M I N E ,
TRIMETHYLHEXAMETHYLENEDIAMINES)

IMDG, IATA

POLYAMINES, LIQUID, CORROSIVE, N.O.S.
(I S O P H O R O N E D I A M I N E ,
TRIMETHYLHEXAMETHYLENEDIAMINES)

14.3 Transport hazard class(es)

ADR



Class

8 (C7) Corrosive substances.

Label

8

IMDG, IATA



Class

8 Corrosive substances.

Label

8

14.4 Packing group

ADR, IMDG, IATA

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14.5 Environmental hazards:
Marine pollutant: No

14.6 Special precautions for user

Warning: Corrosive substances.

Hazard identification number (Kemler code): 80

EMS Number: F-A,S-B

Stowage Category A

Segregation Code SG35 Stow "separated from" SGG1-acids

14.7 Maritime transport in bulk according to
IMO instruments Not applicable.

Transport/Additional information:
ADR
Limited quantities (LQ) 1L

Excepted quantities (EQ) Code: E2

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 500 ml

Transport category 2

Tunnel restriction code E

IMDG
Limited quantities (LQ) 1L

Excepted quantities (EQ) Code: E2

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 500 ml

UN "Model Regulation":

UN 2735 POLYAMINES, LIQUID, CORROSIVE,
N . O . S . (I S O P H O R O N E D I A M I N E ,
TRIMETHYLHEXAMETHYLENEDIAMINES), 8, II

SECTION 15: Regulatory information

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

Regulation (EC) No 1907/2006 (REACH) (Candidate List, Annexes XIV and XVII)

Regulation (EC) No 1272/2008 (CLP)

Regulation (EU) 2020/878 (amending REACH Annex II on the compilation of safety data sheets)

Labelling according to Regulation (EC) No 1272/2008 cf. section 2

Directive 2012/18/EU
Named dangerous substances - ANNEX I None of the ingredients is listed.

REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3

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

None of the ingredients is listed.

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REGULATION (EU) 2019/1148

Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

None of the ingredients is listed.

Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

Regulation (EC) No 273/2004 on drug precursors

None of the ingredients is listed.

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

None of the ingredients is listed.

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

This Safety Data Sheet is in compliance with Regulation (EC) No 1907/2006, Article 31 as amended by Regulation (EU) 2020/878.

Relevant phrases

The following list of relevant hazard statements is the full text of hazard statements mentioned elsewhere in this safety data sheet (in particular in the section 3) and is reported as required by the Regulation (EC) No 1907/2006 (REACH), Annex II, and the following amendments (Regulation (EU) 2020/878). The statements mentioned here do not refer to the product itself, but refer to the individual ingredients in the products, and are provided for information.

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H412 Harmful to aquatic life with long lasting effects.

Classification according to Regulation (EC) No 1272/2008

Acute toxicity - oral

Skin corrosion/irritation

Serious eye damage/irritation

Skin sensitisation

Hazardous to the aquatic environment - long-term (chronic) aquatic hazard

The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.

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Safety Data Sheet

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

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Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
ICAO: International Civil Aviation Organisation
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
SVHC: Substances of Very High Concern (REACH regulation)
vPvB: very Persistent and very Bioaccumulative
ATE: Acute toxicity estimate values
Acute Tox. 4: Acute toxicity – Category 4
Skin Corr. 1B: Skin corrosion/irritation – Category 1B
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
Skin Sens. 1: Skin sensitisation – Category 1
Skin Sens. 1A: Skin sensitisation – Category 1A
Skin Sens. 1B: Skin sensitisation – Category 1B
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

*** Data compared to the previous version altered.**

According to Annex II of the REACH regulation, the modified sections in this version of the Safety Data Sheet in comparison with the previous one are marked with asterisks.

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