Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

amended by 2020/878/EU

PROF 123 omnifill component 1
SPECTRALOCK PRO PREMIUM GROUT PART A

Version number: 3.0
Replaces version of: 30.01.2025 (2)

Revision: 25.02.2025

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

1.1 Product identifier

Trade name	**PROF 123 omnifill component 1**
Registration number (REACH)	not relevant (mixture)
Unique formula identifier (UFI)	QDS0-P0FX-200F-H6WD

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

Relevant identified uses	Construction Grout For professional users only
Uses advised against	Do not use for products which come into direct contact with the skin

1.3 Details of the supplier of the safety data sheet

Omnicol NV
Nijverheidsstraat 14
2381 Weelde
Belgium

Telephone: +32 14 65 62 85
e-mail: info@omnicol.eu

Additional information

Manufacturer			
Country	**Name**	**Postal code/city**	**Telephone**
Italy	Laticrete Europe SRL	41051 Castelnuovo Rangone	339 059 535540

e-mail (competent person) info@omnicol.eu

1.4 Emergency telephone number

Poison centre		
Country	**Name**	**Telephone**
Belgium	Antigifcentrum / Centre Antipoisons / Gift-Notruf	070 245 245 (24/7 bereikbaar / accessible / erreichbar)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

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

Section	Hazard class	Category	Hazard class and category	Hazard state-ment
3.2	skin corrosion/irritation	1C	Skin Corr. 1C	H314
3.3	serious eye damage/eye irritation	1	Eye Dam. 1	H318
3.4S	skin sensitisation	1	Skin Sens. 1	H317
4.1C	hazardous to the aquatic environment - chronic hazard	2	Aquatic Chronic 2	H411

For full text of H-phrases: see SECTION 16

The most important adverse physicochemical, human health and environmental effects

Skin corrosion produces an irreversible damage to the skin; namely, visible necrosis through the epidermis and into the dermis. Spillage and fire water can cause pollution of watercourses.

2.2 Label elements

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

- signal word: Danger

- pictograms

GHS05, GHS07, GHS09

- hazard statements

H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H411	Toxic to aquatic life with long lasting effects.

- precautionary statements

P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P330+P331	IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
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 regulations on hazardous waste or packaging and packaging waste respectively.

- hazardous ingredients for labelling

Contains: Formaldehyde, polymer with N1-(2-aminoethyl)-N2-[2-[(2-aminoethyl)amino]ethyl]-1,2-ethanediamine, 2,2'-[1,4-butanediylbis(oxymethylene)]bis[oxirane], 4,4'-(1-methylethylidene) bis(4,1-phenyleneoxymethylene)bis[oxirane]; Amines, polyethylenepoly-, tetraethylenepentamine fraction; Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-(2-aminomethylethyl)- .omega.-(2-aminomethylethoxy)-.

2.3 Other hazards

This material is combustible, but will not ignite readily. Special danger of slipping by leaking/spilling product.

Results of PBT and vPvB assessment

Does not contain a PBT-/vPvB-substance at a concentration of ≥ 0,1%.

Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) at a concentration of ≥ 0,1%.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not relevant (mixture).

3.2 Mixtures

The product does not contain (other) ingredients which are classified according to present knowledge of the supplier and contribute to the classification of the product and hence require reporting in this section.

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Name of substance	Identifier	Wt%	Classification acc. to GHS	Pictograms	Notes
Formaldehyde, polymer with N1-(2-aminoethyl)-N2-[2-[(2-aminoethyl)amino]ethyl]-1,2-ethanediamine, 2,2'-[1,4-butanediyl-bis(oxymethylene)]bis[oxirane], 4,4'-(1-methyl-ethylidene) bis(4,1-phenyleneoxymethyl-ene)bis[oxirane]	CAS No 180583-06-6 EC No 885-937-0	35 – < 50	Skin Sens. 1 / H317 Aquatic Chronic 2 / H411		
Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-(2-aminomethylethyl)-.omega.-(2-amino-methylethoxy)-	CAS No 9046-10-0 EC No 618-561-0 REACH Reg. No 01-2119557899-12-xxxx	2 – < 3	Skin Corr. 1C / H314 Eye Dam. 1 / H318 Aquatic Chronic 3 / H412		
Amines, polyethyle-nepoly-, tetraethyle-nepentamine fraction	CAS No 90640-66-7 EC No 292-587-7 REACH Reg. No 01-2119487290-37-xxxx	2 – < 3	Acute Tox. 4 / H312 Skin Corr. 1B / H314 Eye Dam. 1 / H318 Skin Sens. 1 / H317 Aquatic Chronic 2 / H411 EUH071		
N-methyl-2-pyrrolidone	CAS No 872-50-4 EC No 212-828-1 Index No 606-021-00-7 REACH Reg. No 01-2119472430-46-xxxx	0,1 – < 0,14	Skin Irrit. 2 / H315 Eye Irrit. 2 / H319 Repr. 1B / H360D STOT SE 3 / H335		GHS-HC IOELV

Notes

GHS-HC: Harmonised classification (the classification of the substance corresponds to the entry in the list according to 1272/2008/EC, Annex VI)
IOELV: Substance with a community indicative occupational exposure limit value

Name of sub-stance	Identifier	Specific Conc. Limits	M-Factors	ATE	Exposure route
Amines, polyethyl-enepoly-, tet-raethyle-nepentamine frac-tion	CAS No 90640-66-7 EC No 292-587-7	-	-	1.100 $^{mg}/_{kg}$	dermal
N-methyl-2-pyrrolidone	CAS No 872-50-4 EC No 212-828-1	STOT SE 3; H335: C ≥ 10 %	-	-	

Remarks

All the percentages given are percentages by weight unless stated otherwise. For full text of H-phrases: see SECTION 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General notes

Do not leave affected person unattended. Remove victim out of the danger area. In case of unconsciousness place person in the recovery position. Never give anything by mouth. Do not take off clothes. In all cases of doubt, or when symptoms persist, seek medical advice.

Following inhalation

Provide fresh air. If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. Immediately call a POISON CENTER/doctor. In case of respiratory tract irritation, consult a physician.

Following skin contact

Rinse immediately contaminated clothing and skin with plenty of water before removing clothes, if possible. Immediately call a POISON CENTER/doctor.

Following eye contact

Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.

Following ingestion

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting. Immediately call a POISON CENTER/doctor.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms and effects are not known to date.

4.3 Indication of any immediate medical attention and special treatment needed

For specialist advice physicians should contact the poison centre.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Water spray; Dry extinguishing powder; Carbon dioxide (CO2);
Co-ordinate firefighting measures to the fire surroundings.

Unsuitable extinguishing media

Water jet.

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

During fire hazardous fumes/smoke could be produced. Carbon monoxide (CO). Carbon dioxide (CO2).

5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Co-ordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

Special protective equipment for firefighters

Self-contained breathing apparatus (EN 133). Standard protective clothing for firefighters.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Remove persons to safety. Ventilate affected area.

For emergency responders

Wear breathing apparatus if exposed to vapours/dust/spray/gases. Use personal protective equipment as required.

6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it. If substance has entered a water course or sewer, inform the responsible authority.

6.3 Methods and material for containment and cleaning up

Advice on how to contain a spill

Covering of drains.

Advice on how to clean up a spill

Wipe up with absorbent material (e.g. cloth, fleece).

Appropriate containment techniques

Use of adsorbent materials.

Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Recommendations

- measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation. Use only in well-ventilated areas.

Advice on general occupational hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

7.2 Conditions for safe storage, including any incompatibilities

Managing of associated risks

- incompatible substances or mixtures

Keep away from alkalis, oxidising substances, acids.

Control of effects

Protect against external exposure, such as

High temperatures. UV-radiation/sunlight.

Consideration of other advice

Store in a well-ventilated place. Keep container tightly closed.

- packaging compatibilities

Only packagings which are approved (e.g. acc. to ADR) may be used.

7.3 Specific end use(s)

See section 1.2.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

National limit values

Occupational exposure limit values (Workplace Exposure Limits)

Country	Name of agent	CAS No	Identifier	TWA [ppm]	TWA [mg/m³]	STEL [ppm]	STEL [mg/m³]	Notation	Source
BE	N-methyl-2-pyrrolidone	872-50-4	VLEP/GWBB	10	40	20	80	Be-D	Moniteur Belge
EU	1-methyl-2-pyrrolidone	872-50-4	IOELV	10	40	20	80	H	2022/431/EU

Notation

Be-D	The agent through the skin, mucous membranes or eyes is an important part of the total exposure. This resorption can occur both by direct contact and by the presence of the agent in the air.
H	absorbed through the skin
STEL	short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15-minute period (unless otherwise specified)
TWA	time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8 hours time-weighted average (unless otherwise specified)

Relevant DNELs/DMELs/PNECs and other threshold levels

Relevant DNELs of components of the mixture

Name of substance	CAS No	End-point	Threshold level	Protection goal, route of exposure	Used in	Exposure time
Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-(2-aminomethylethyl)-.omega.-(2-amino-methylethoxy)-	9046-10-0	DNEL	5,29 mg/m³	human, inhalatory	worker (industry)	chronic - systemic effects
Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-(2-aminomethylethyl)-.omega.-(2-amino-methylethoxy)-	9046-10-0	DNEL	2,5 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
Amines, polyethylenepoly-, tetraethylenepentamine fraction	90640-66-7	DNEL	0,82 mg/m³	human, inhalatory	worker (industry)	chronic - systemic effects
Amines, polyethylenepoly-, tetraethylenepentamine fraction	90640-66-7	DNEL	0,14 mg/m³	human, inhalatory	consumer (private households)	chronic - systemic effects
Amines, polyethylenepoly-, tetraethylenepentamine fraction	90640-66-7	DNEL	20,8 µg/cm²	human, dermal	consumer (private households)	chronic - local effects
Amines, polyethylenepoly-, tetraethylenepentamine fraction	90640-66-7	DNEL	0,21 mg/kg bw/day	human, oral	consumer (private households)	chronic - systemic effects
N-methyl-2-pyrrolidone	872-50-4	DNEL	80 mg/m³	human, inhalatory	worker (industry)	acute - systemic effects
N-methyl-2-pyrrolidone	872-50-4	DNEL	208 mg/kg bw/day	human, dermal	worker (industry)	acute - systemic effects

Relevant DNELs of components of the mixture

Name of substance	CAS No	End-point	Threshold level	Protection goal, route of exposure	Used in	Exposure time
N-methyl-2-pyrrolidone	872-50-4	DNEL	14,4 mg/m³	human, inhalatory	worker (industry)	chronic - systemic effects
N-methyl-2-pyrrolidone	872-50-4	DNEL	40 mg/m³	human, inhalatory	worker (industry)	chronic - local effects
N-methyl-2-pyrrolidone	872-50-4	DNEL	4,8 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
N-methyl-2-pyrrolidone	872-50-4	DNEL	3,6 mg/m³	human, inhalatory	consumer (private households)	chronic - systemic effects
N-methyl-2-pyrrolidone	872-50-4	DNEL	4,5 mg/m³	human, inhalatory	consumer (private households)	chronic - local effects
N-methyl-2-pyrrolidone	872-50-4	DNEL	2,4 mg/kg bw/day	human, dermal	consumer (private households)	chronic - systemic effects
N-methyl-2-pyrrolidone	872-50-4	DNEL	0,85 mg/kg bw/day	human, oral	consumer (private households)	chronic - systemic effects

Relevant PNECs of components

Name of substance	CAS No	End-point	Threshold level	Organism	Environmental compartment	Exposure time
Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-(2-aminomethylethyl)-.omega.-(2-amino-methylethoxy)-	9046-10-0	PNEC	0,015 mg/l	aquatic organisms	freshwater	short-term (single instance)
Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-(2-aminomethylethyl)-.omega.-(2-amino-methylethoxy)-	9046-10-0	PNEC	0,014 mg/l	aquatic organisms	marine water	short-term (single instance)
Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-(2-aminomethylethyl)-.omega.-(2-amino-methylethoxy)-	9046-10-0	PNEC	7,5 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-(2-aminomethylethyl)-.omega.-(2-amino-methylethoxy)-	9046-10-0	PNEC	0,132 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-(2-aminomethylethyl)-.omega.-(2-amino-methylethoxy)-	9046-10-0	PNEC	0,125 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-(2-aminomethylethyl)-.omega.-(2-amino-methylethoxy)-	9046-10-0	PNEC	0,018 mg/kg	terrestrial organisms	soil	short-term (single instance)
Amines, polyethylenepoly-, tetraethylenepentamine fraction	90640-66-7	PNEC	0,01 mg/l	aquatic organisms	freshwater	short-term (single instance)

Relevant PNECs of components						
Name of substance	**CAS No**	**End-point**	**Threshold level**	**Organism**	**Environmental compartment**	**Exposure time**
Amines, polyethylenepoly-, tetraethylenepentamine fraction	90640-66-7	PNEC	0,001 mg/l	aquatic organisms	marine water	short-term (single instance)
Amines, polyethylenepoly-, tetraethylenepentamine fraction	90640-66-7	PNEC	4,6 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
Amines, polyethylenepoly-, tetraethylenepentamine fraction	90640-66-7	PNEC	3,198 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
Amines, polyethylenepoly-, tetraethylenepentamine fraction	90640-66-7	PNEC	0,32 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
Amines, polyethylenepoly-, tetraethylenepentamine fraction	90640-66-7	PNEC	2,5 mg/kg	terrestrial organisms	soil	short-term (single instance)
N-methyl-2-pyrrolidone	872-50-4	PNEC	0,25 mg/l	aquatic organisms	freshwater	short-term (single instance)
N-methyl-2-pyrrolidone	872-50-4	PNEC	0,025 mg/l	aquatic organisms	marine water	short-term (single instance)
N-methyl-2-pyrrolidone	872-50-4	PNEC	10 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
N-methyl-2-pyrrolidone	872-50-4	PNEC	1,09 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
N-methyl-2-pyrrolidone	872-50-4	PNEC	0,109 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
N-methyl-2-pyrrolidone	872-50-4	PNEC	0,07 mg/kg	terrestrial organisms	soil	short-term (single instance)

8.2 Exposure controls

Appropriate engineering controls

General ventilation. Provide eyewash stations and safety showers at the workplace.

Individual protection measures (personal protective equipment)

Eye/face protection

Use safety goggle with side protection (EN 166).

Skin protection

Protective clothing (EN 340 & EN ISO 13688).

Hand protection

Wear suitable gloves. Check leak-tightness/impermeability prior to use. 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. Chemical protection gloves are suitable, which are tested according to EN 374. The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- type of material

PE: polyethylene, Nitrile rubber

- material thickness

Use gloves with a minimum material thickness: ≥ 0,38 mm.

- breakthrough time of the glove material

Use gloves with a minimum breakthrough time of the glove material: >480 minutes (permeation: level 6).

- other protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.

Respiratory protection

In case of inadequate ventilation wear respiratory protection. Full face mask/half mask/quarter mask (EN 136/140). Type: ABEK-P2 (combined filters against gases, vapours and particles, colour code: Brown/Grey/Yellow/Green/White).

Environmental exposure controls

Take appropriate precautions to avoid uncontrolled release into the environment. Keep away from drains, surface and ground water.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	liquid (viscous)
Colour	amber
Odour	like ammonia
Melting point/freezing point	not determined
Boiling point or initial boiling point and boiling range	>100 °C at 1.013 hPa
Flammability	non-combustible
Lower and upper explosion limit	LEL: UEL: not determined
Flash point	>60 °C
Auto-ignition temperature	330 °C (auto-ignition temperature (liquids and gases))
Decomposition temperature	no data available
pH (value)	9 – 11
Kinematic viscosity	2.705 mm^2/s at 20 °C >20,5 mm^2/s at 40 °C
Dynamic viscosity	2.794 cP at 20 °C
Solubility	not relevant

Partition coefficient n-octanol/water (log value)	this information is not available

Vapour pressure	2.349 Pa at 20 °C 12.375 Pa at 50 °C

Density and/or relative density

Density	1.061 $^{kg}/_{m^3}$ at 20 °C
Relative vapour density	information on this property is not available

Particle characteristics	not relevant (liquid)

9.2 Other information

Information with regard to physical hazard classes	hazard classes acc. to GHS (physical hazards): not relevant
Other safety characteristics	there is no additional information

SECTION 10: Stability and reactivity

10.1 Reactivity

This material is not reactive under normal ambient conditions.

10.2 Chemical stability

The material is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

10.3 Possibility of hazardous reactions

No known hazardous reactions.

10.4 Conditions to avoid

There are no specific conditions known which have to be avoided.

10.5 Incompatible materials

Acids. Bases. Oxidisers. Alkali metals.

10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

SECTION 11: Toxicological information

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

Test data are not available for the complete mixture.

Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

Classification according to GHS (1272/2008/EC, CLP)

Acute toxicity

Shall not be classified as acutely toxic.

Acute toxicity estimate (ATE) of components

Name of substance	CAS No	Exposure route	ATE
Amines, polyethylenepoly-, tetraethylenepentamine fraction	90640-66-7	dermal	1.100 $^{mg}/_{kg}$

Acute toxicity of components					
Name of substance	**CAS No**	**Exposure route**	**Endpoint**	**Value**	**Species**
Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-(2-aminomethylethyl)- .omega.-(2-aminomethylethoxy)-	9046-10-0	oral	LD50	2.885 $^{mg}/_{kg}$	rat
Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-(2-aminomethylethyl)- .omega.-(2-aminomethylethoxy)-	9046-10-0	dermal	LD50	2.980 $^{mg}/_{kg}$	rabbit
N-methyl-2-pyrrolidone	872-50-4	oral	LD50	4.150 $^{mg}/_{kg}$	rat
N-methyl-2-pyrrolidone	872-50-4	inhalation: dust/mist	LC50	>5,1 $^{mg}/_{l}$/4h	rat
N-methyl-2-pyrrolidone	872-50-4	dermal	LD50	>5.000 $^{mg}/_{kg}$	rat

Skin corrosion/irritation

Causes severe skin burns and eye damage.

Serious eye damage/eye irritation

Causes serious eye damage.

Respiratory or skin sensitisation

May cause an allergic skin reaction.

Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

Carcinogenicity

Shall not be classified as carcinogenic.

Reproductive toxicity

Shall not be classified as a reproductive toxicant.

Specific target organ toxicity - single exposure

Shall not be classified as a specific target organ toxicant (single exposure).

Specific target organ toxicity - repeated exposure

Shall not be classified as a specific target organ toxicant (repeated exposure).

Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

Other information

Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.

11.2 Information on other hazards

Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) at a concentration of ≥ 0,1%.

Other information

There is no additional information.

SECTION 12: Ecological information

12.1 Toxicity

Toxic to aquatic life with long lasting effects.

Aquatic toxicity (acute) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-(2-aminomethylethyl)-.omega.-(2-aminomethylethoxy)-	9046-10-0	LC50	772,1 mg/l	fish	96 h
Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-(2-aminomethylethyl)-.omega.-(2-aminomethylethoxy)-	9046-10-0	EC50	>15 mg/l	fish	96 h
Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-(2-aminomethylethyl)-.omega.-(2-aminomethylethoxy)-	9046-10-0	ErC50	15 mg/l	algae	72 h
Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-(2-aminomethylethyl)-.omega.-(2-aminomethylethoxy)-	9046-10-0	NOEC	600 mg/l	fish	96 h
Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-(2-aminomethylethyl)-.omega.-(2-aminomethylethoxy)-	9046-10-0	LOEC	1 mg/l	algae	72 h
Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-(2-aminomethylethyl)-.omega.-(2-aminomethylethoxy)-	9046-10-0	growth rate (ErCx) 10%	1,4 mg/l	algae	72 h
Amines, polyethylenepoly-, tetraethylenepentamine fraction	90640-66-7	LC50	0,42 g/l	fish	96 h
Amines, polyethylenepoly-, tetraethylenepentamine fraction	90640-66-7	EC50	24,1 mg/l	aquatic invertebrates	48 h
Amines, polyethylenepoly-, tetraethylenepentamine fraction	90640-66-7	ErC50	6,8 mg/l	algae	72 h
Amines, polyethylenepoly-, tetraethylenepentamine fraction	90640-66-7	NOEC	18 mg/l	aquatic invertebrates	48 h
N-methyl-2-pyrrolidone	872-50-4	LC50	>500 mg/l	fish	96 h
N-methyl-2-pyrrolidone	872-50-4	EC50	>1.000 mg/l	aquatic invertebrates	24 h
N-methyl-2-pyrrolidone	872-50-4	ErC50	600,5 mg/l	algae	72 h
N-methyl-2-pyrrolidone	872-50-4	NOEC	500 mg/l	fish	96 h
N-methyl-2-pyrrolidone	872-50-4	growth rate (ErCx) 10%	92,6 mg/l	algae	72 h
N-methyl-2-pyrrolidone	872-50-4	growth (EbCx) 10%	117,4 mg/l	algae	72 h

Aquatic toxicity (chronic) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-(2-aminomethylethyl)-.omega.-(2-aminomethylethoxy)-	9046-10-0	EC50	750 mg/l	microorganisms	3 h
Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-(2-aminomethylethyl)-.omega.-(2-aminomethylethoxy)-	9046-10-0	NOEC	310 mg/l	microorganisms	3 h
Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-(2-aminomethylethyl)-.omega.-(2-aminomethylethoxy)-	9046-10-0	growth (EbCx) 20%	380 mg/l	microorganisms	3 h

Aquatic toxicity (chronic) of components of the mixture					
Name of substance	**CAS No**	**Endpoint**	**Value**	**Species**	**Exposure time**
Amines, polyethylenepoly-, tetraethylenepentamine fraction	90640-66-7	EC50	<10 mg/l	aquatic invertebrates	21 d
Amines, polyethylenepoly-, tetraethylenepentamine fraction	90640-66-7	growth (EbCx) 10%	1,9 mg/l	aquatic invertebrates	21 d
N-methyl-2-pyrrolidone	872-50-4	NOEC	12,5 mg/l	aquatic invertebrates	21 d
N-methyl-2-pyrrolidone	872-50-4	LOEC	25 mg/l	aquatic invertebrates	21 d

12.2 Persistence and degradability

Degradability of components					
Name of substance	**CAS No**	**Process**	**Degradation rate**	**Time**	**Method**
Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-(2-aminomethylethyl)- .omega.-(2-aminomethylethoxy)-	9046-10-0	carbon dioxide generation	0 %	28 d	
Amines, polyethylenepoly-, tetraethylenepentamine fraction	90640-66-7	oxygen depletion	0 %	162 d	
Amines, polyethylenepoly-, tetraethylenepentamine fraction	90640-66-7	DOC removal	17 %	84 d	
N-methyl-2-pyrrolidone	872-50-4	oxygen depletion	73 %	28 d	

12.3 Bioaccumulative potential

Bioaccumulative potential of components				
Name of substance	**CAS No**	**BCF**	**Log KOW**	**BOD5/COD**
Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-(2-aminomethylethyl)- .omega.-(2-aminomethylethoxy)-	9046-10-0		1,34 (25 °C)	
N-methyl-2-pyrrolidone	872-50-4		-0,46 (25 °C)	

12.4 Mobility in soil

Data are not available.

12.5 Results of PBT and vPvB assessment

Does not contain a PBT-/vPvB-substance at a concentration of ≥ 0,1%.

12.6 Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) at a concentration of ≥ 0,1%.

12.7 Other adverse effects

Data are not available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment.

Waste treatment of containers/packagings

It is a dangerous waste; only packagings which are approved (e.g. acc. to ADR) may be used. Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

Relevant provisions relating to waste

Properties of waste which render it hazardous

HP 8	corrosive
HP 10	toxic for reproduction
HP 13	sensitising
HP 14	ecotoxic

Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

SECTION 14: Transport information

14.1 UN number or ID number

ADR/RID/ADN	UN 1760
IMDG-Code	UN 1760
ICAO-TI	UN 1760

14.2 UN proper shipping name

ADR/RID/ADN	CORROSIVE LIQUID, N.O.S.
IMDG-Code	CORROSIVE LIQUID, N.O.S.
ICAO-TI	Corrosive liquid, n.o.s.
Technical name (Hazardous ingredients)	Amines, polyethylenepoly-, tetraethylenepentamine fraction, Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-(2-aminomethylethyl)-.omega.-(2-aminomethylethoxy)-

14.3 Transport hazard class(es)

ADR/RID/ADN	8
IMDG-Code	8
ICAO-TI	8

14.4 Packing group

ADR/RID/ADN	III
IMDG-Code	III
ICAO-TI	III

14.5 Environmental hazards

hazardous to the aquatic environment

Environmentally hazardous substance (aquatic environment)	Formaldehyde, polymer with N1-(2-aminoethyl)-N2-[2-[(2-aminoethyl)amino]ethyl]-1,2-ethanediamine, 2,2'-[1,4-butanediylbis(oxymethylene)]bis[oxirane], 4,4'-(1-methylethylidene) bis(4,1-phenyleneoxymethylene)bis[oxirane]

14.6 Special precautions for user

Provisions for dangerous goods (ADR) should be complied within the premises.

14.7 Maritime transport in bulk according to IMO instruments

No data available.

Additional information for each of the UN Model Regulations

Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN) - additional information

Classification code	C9
Danger label(s)	8, fish and tree

Environmental hazards	yes (hazardous to the aquatic environment)
Special provisions (SP)	274
Excepted quantities (EQ)	E1
Limited quantities (LQ)	5 L
Transport category (TC)	3
Tunnel restriction code (TRC)	E
Hazard identification No	80

International Maritime Dangerous Goods Code (IMDG) - additional information

Marine pollutant	yes (hazardous to the aquatic environment) (Formaldehyde, polymer with N1-(2-aminoethyl)-N2-[2-[(2-aminoethyl)amino]ethyl]-1,2-ethanediamine, 2,2'-[1,4-butanediylbis(oxymethylene)]bis[oxirane], 4,4'-(1-methylethylidene) bis(4,1-phenyleneoxymethylene)bis[oxirane])
Danger label(s)	8, fish and tree

Special provisions (SP)	223, 274
Excepted quantities (EQ)	E1
Limited quantities (LQ)	5 L
EmS	F-A, S-B
Stowage category	A

International Civil Aviation Organization (ICAO-IATA/DGR) - additional information

Environmental hazards	yes (hazardous to the aquatic environment)
Danger label(s)	8

Special provisions (SP)	A3
Excepted quantities (EQ)	E1

Limited quantities (LQ)	1 L

SECTION 15: Regulatory information

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

Relevant provisions of the European Union (EU)

Restrictions according to REACH, Annex XVII

Name	Name acc. to inventory	No
PROF 123 omnifill component 1	this product meets the criteria for classification in accordance with Regulation No 1272/2008/EC	3
N-methyl-2-pyrrolidone	1-methyl-2-pyrrolidone (NMP)	71
N-methyl-2-pyrrolidone	N-methyl-2-pyrrolidone (1-methyl-2-pyrrolidone) (NMP)	72
N-methyl-2-pyrrolidone	toxic for reproduction	30
N-methyl-2-pyrrolidone	substances in tattoo inks and permanent make-up	75

List of substances subject to authorisation (REACH, Annex XIV) / SVHC - candidate list

Substance of Very High Concern (SVHC)			
Name acc. to inventory	**CAS No**	**Listed in**	**Remarks**
1-methyl-2-pyrrolidone (NMP)	872-50-4	Candidate list	Repr. A57c

Legend

Candidate list	Substances meeting the criteria referred to in Article 57 and for eventual inclusion in Annex XIV
Repr. A57c	Toxic for reproduction (article 57c)

Seveso Directive

2012/18/EU (Seveso III)				
No	**Dangerous substance/hazard categories**	**Qualifying quantity (tonnes) for the application of lower and upper-tier requirements**		**Notes**
E2	environmental hazards (hazardous to the aquatic environment, cat. 2)	200	500	57)

Notation

57) hazardous to the Aquatic Environment in category Chronic 2

Regulation concerning the establishment of a European Pollutant Release and Transfer Register (PRTR)

None of the ingredients are listed.

Water Framework Directive (WFD)

List of pollutants (WFD)				
Name of substance	**Name acc. to inventory**	**CAS No**	**Listed in**	**Remarks**
N-methyl-2-pyrrolidone	Substances and preparations, or the breakdown products of such, which have been proved to possess carcinogenic or mutagenic properties or properties which may affect steroidogenic, thyroid, reproduction or other		a)	

List of pollutants (WFD)				
Name of substance	**Name acc. to inventory**	**CAS No**	**Listed in**	**Remarks**
	endocrine-related functions in or via the aquatic environment			

Legend

a) Indicative list of the main pollutants

Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors, amending Regulation (EC) No 1907/2006 and repealing Regulation (EU) No 98/2013

None of the ingredients are listed.

Regulation on persistent organic pollutants (POP)

None of the ingredients are listed.

15.2 Chemical safety assessment

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

SECTION 16: Other information

Indication of changes (revised safety data sheet)

Section	Former entry (text/value)	Actual entry (text/value)
2.2	- hazardous ingredients for labelling: Contains: Formaldehyde, polymer with N1-(2-aminoethyl)-N2-[2-[(2-aminoethyl)amino]ethyl]-1,2-ethanediamine, 2,2'-[1,4-butanediylbis(oxymethylene)]bis[oxirane], 4,4'-(1-methylethylidene) bis(4,1-phenyleneoxymethylene)bis[oxirane]; Amines, polyethylenepoly-, tetraethylenepentamine fraction; Polyoxypropylenediamine.	- hazardous ingredients for labelling: Contains: Formaldehyde, polymer with N1-(2-aminoethyl)-N2-[2-[(2-aminoethyl)amino]ethyl]-1,2-ethanediamine, 2,2'-[1,4-butanediylbis(oxymethylene)]bis[oxirane], 4,4'-(1-methylethylidene) bis(4,1-phenyleneoxymethylene)bis[oxirane]; Amines, polyethylenepoly-, tetraethylenepentamine fraction; Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-(2-aminomethylethyl)- .omega.-(2-aminomethylethoxy)-.
3.2		Mixtures: change in the listing (table)
8.1		Relevant DNELs of components of the mixture: change in the listing (table)
8.1		Relevant PNECs of components: change in the listing (table)
11.1		Acute toxicity of components: change in the listing (table)
12.1		Aquatic toxicity (acute) of components of the mixture: change in the listing (table)
12.1		Aquatic toxicity (chronic) of components of the mixture: change in the listing (table)
12.2		Degradability of components: change in the listing (table)
12.3		Bioaccumulative potential of components: change in the listing (table)
13.1		Properties of waste which render it hazardous: change in the listing (table)
14.2	Technical name (Hazardous ingredients): Amines, polyethylenepoly-, tetraethylenepentamine fraction, Polyoxypropylenediamine	Technical name (Hazardous ingredients): Amines, polyethylenepoly-, tetraethylenepentamine fraction, Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-(2-aminomethylethyl)- .omega.-(2-aminomethylethoxy)-

Section	Former entry (text/value)	Actual entry (text/value)
16	Indication of changes (revised safety data sheet): Complete revision of the safety data sheet.	

Abbreviations and acronyms

Abbr.	Descriptions of used abbreviations
2022/431/EU	Directive (EU) 2022/431 of the European Parliament and of the Council of 9 March 2022 amending Directive 2004/37/EC on the protection of workers from the risks related to exposure to carcinogens or mutagens at work
Acute Tox.	Acute toxicity
ADN	Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures (European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways)
ADR	Accord relatif au transport international des marchandises dangereuses par route (Agreement concerning the International Carriage of Dangerous Goods by Road)
ADR/RID/ADN	Agreements concerning the International Carriage of Dangerous Goods by Road/Rail/Inland Waterways (ADR/RID/ADN)
Aquatic Chronic	Hazardous to the aquatic environment - chronic hazard
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
BOD	Biochemical Oxygen Demand
CAS	Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
COD	Chemical oxygen demand
DGR	Dangerous Goods Regulations (see IATA/DGR)
DMEL	Derived Minimal Effect Level
DNEL	Derived No-Effect Level
EC50	Effective Concentration 50 %. The EC50 corresponds to the concentration of a tested substance causing 50 % changes in response (e.g. on growth) during a specified time interval
EC No	The EC Inventory (EINECS, ELINCS and the NLP-list) is the source for the seven-digit EC number, an identifier of substances commercially available within the EU (European Union)
ED	Endocrine disruptor
EINECS	European Inventory of Existing Commercial Chemical Substances
ELINCS	European List of Notified Chemical Substances
EmS	Emergency Schedule
ErC50	≡ EC50: in this method, that concentration of test substance which results in a 50 % reduction in either growth (EbC50) or growth rate (ErC50) relative to the control
Eye Dam.	Seriously damaging to the eye
Eye Irrit.	Irritant to the eye
GHS	"Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations
IATA	International Air Transport Association
IATA/DGR	Dangerous Goods Regulations (DGR) for the air transport (IATA)
ICAO	International Civil Aviation Organization
ICAO-TI	Technical instructions for the safe transport of dangerous goods by air

Abbr.	Descriptions of used abbreviations
IMDG	International Maritime Dangerous Goods Code
IMDG-Code	International Maritime Dangerous Goods Code
index No	The Index number is the identification code given to the substance in Part 3 of Annex VI to Regulation (EC) No 1272/2008
IOELV	Indicative occupational exposure limit value
LC50	Lethal Concentration 50%: the LC50 corresponds to the concentration of a tested substance causing 50 % lethality during a specified time interval
LD50	Lethal Dose 50 %: the LD50 corresponds to the dose of a tested substance causing 50 % lethality during a specified time interval
LEL	Lower explosion limit (LEL)
LOEC	Lowest Observed Effect Concentration
log KOW	n-Octanol/water
Moniteur Belge	Arrêté royal modifiant l'arrêté royal du 11 mars 2002 relatif à la protection de la santé et de la sécurité des travailleurs contre les risques liés à des agents chimiques sur le lieu de travail
NLP	No-Longer Polymer
NOEC	No Observed Effect Concentration
PBT	Persistent, Bioaccumulative and Toxic
PNEC	Predicted No-Effect Concentration
ppm	Parts per million
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
Repr.	Reproductive toxicity
RID	Règlement concernant le transport International ferroviaire des marchandises Dangereuses (Regulations concerning the International carriage of Dangerous goods by Rail)
Skin Corr.	Corrosive to skin
Skin Irrit.	Irritant to skin
Skin Sens.	Skin sensitisation
STEL	Short-term exposure limit
STOT SE	Specific target organ toxicity - single exposure
SVHC	Substance of Very High Concern
TWA	Time-weighted average
UEL	Upper explosion limit (UEL)
vPvB	Very Persistent and very Bioaccumulative

Key literature references and sources for data

Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures. Regulation (EC) No. 1907/2006 (REACH), amended by 2020/878/EU.

Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).

Classification procedure

Physical and chemical properties: The classification is based on tested mixture.
Health hazards, Environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

List of relevant phrases (code and full text as stated in section 2 and 3)

Code	Text
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.
H335	May cause respiratory irritation.
H360D	May damage the unborn child.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

amended by 2020/878/EU

PROF 123 omnifill component 2
SPECTRALOCK PRO PREMIUM GROUT PART B

Version number: 2.1
Replaces version of: 30.01.2025 (2)

Revision: 25.02.2025

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

1.1 Product identifier

Trade name	**PROF 123 omnifill component 2**
Registration number (REACH)	not relevant (mixture)
Unique formula identifier (UFI)	XGS0-605A-C00X-6JGF

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

Relevant identified uses

Construction
Grout
For professional users only

1.3 Details of the supplier of the safety data sheet

Omnicol NV
Nijverheidsstraat 14
2381 Weelde
Belgium

Telephone: +32 14 65 62 85
e-mail: info@omnicol.eu

Additional information

Manufacturer			
Country	**Name**	**Postal code/city**	**Telephone**
Italy	Laticrete Europe SRL	41051 Castelnuovo Rangone	339 059 535540

e-mail (competent person) info@omnicol.eu

1.4 Emergency telephone number

Poison centre		
Country	**Name**	**Telephone**
Belgium	Antigifcentrum / Centre Antipoisons / Gift-Notruf	070 245 245 (24/7 bereikbaar / accessible / erreichbar)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

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

Section	Hazard class	Category	Hazard class and category	Hazard state-ment
3.2	skin corrosion/irritation	2	Skin Irrit. 2	H315
3.3	serious eye damage/eye irritation	2	Eye Irrit. 2	H319
3.4S	skin sensitisation	1	Skin Sens. 1	H317
3.7	reproductive toxicity	1B	Repr. 1B	H360F
4.1C	hazardous to the aquatic environment - chronic hazard	2	Aquatic Chronic 2	H411

For full text of H-phrases: see SECTION 16

Code	Supplemental hazard information
EUH205	contains epoxy constituents. May produce an allergic reaction

The most important adverse physicochemical, human health and environmental effects

Spillage and fire water can cause pollution of watercourses.

2.2 Label elements

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

- signal word Danger

- pictograms

GHS07, GHS08, GHS09

- hazard statements

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.

- precautionary statements

P201	Obtain special instructions before use.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352	IF ON SKIN: Wash with plenty of water.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P501	Dispose of contents/container in accordance with regulations on hazardous waste or packaging and packaging waste respectively.

- supplemental hazard information

EUH205 Contains epoxy constituents. May produce an allergic reaction.

- hazardous ingredients for labelling

Contains: Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol; oxirane, mono[(C12-14-alkyloxy)methyl] derivs.; 2-methylisothiazol-3(2H)-one.

2.3 Other hazards

This material is combustible, but will not ignite readily. Special danger of slipping by leaking/spilling product.

Results of PBT and vPvB assessment

Does not contain a PBT-/vPvB-substance at a concentration of ≥ 0,1%.

Endocrine disrupting properties

Contains an endocrine disruptor (ED) at a concentration of ≥ 0,1%. (Section 11 & 12).

SECTION 3: Composition/information on ingredients

3.1 Substances

Not relevant (mixture).

3.2 Mixtures

The product does not contain (other) ingredients which are classified according to present knowledge of the supplier and contribute to the classification of the product and hence require reporting in this section.

Name of substance	Identifier	Wt%	Classification acc. to GHS	Pictograms	Notes	Remarks
bis-[4-(2,3-epoxipropoxi)phenyl]propane	CAS No 1675-54-3 EC No 216-823-5 Index No 603-073-00-2 REACH Reg. No 01-2119456619-26-xxxx	35 – < 50	Skin Irrit. 2 / H315 Eye Irrit. 2 / H319 Skin Sens. 1 / H317 Aquatic Chronic 2 / H411		GHS-HC	EDC
Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol	EC No 701-263-0 REACH Reg. No 01-2119454392-40-xxxx	10 – < 20	Skin Irrit. 2 / H315 Skin Sens. 1A / H317 Aquatic Chronic 2 / H411			
oxirane, mono[(C12-14-alkyloxy)methyl] derivs.	CAS No 68609-97-2 EC No 271-846-8 Index No 603-103-00-4 REACH Reg. No 01-2119485289-22-xxxx	10 – < 20	Skin Irrit. 2 / H315 Skin Sens. 1 / H317 Repr. 1B / H360F		GHS-HC	
2-methylisothiazol-3(2H)-one	CAS No 2682-20-4 EC No 220-239-6 Index No 613-326-00-9 REACH Reg. No 01-2120764690-50-xxxx	0,005 – < 0,01	Acute Tox. 3 / H301 Acute Tox. 3 / H311 Acute Tox. 2 / H330 Skin Corr. 1B / H314 Eye Dam. 1 / H318 Skin Sens. 1A / H317 Aquatic Acute 1 / H400 Aquatic Chronic 1 / H410 EUH071		GHS-HC	

Notes

EDC: endocrine disrupting chemicals

GHS-HC: Harmonised classification (the classification of the substance corresponds to the entry in the list according to 1272/2008/EC, Annex VI)

Name of substance	Identifier	Specific Conc. Limits	M-Factors	ATE	Exposure route
bis-[4-(2,3-epoxipropoxi)phenyl]propane	CAS No 1675-54-3 EC No 216-823-5	Skin Irrit. 2; H315: C ≥ 5 % Eye Irrit. 2; H319: C ≥ 5 %	-	-	
2-methylisothiazol-3(2H)-one	CAS No 2682-20-4 EC No 220-239-6	Skin Sens. 1A; H317: C ≥ 0,0015 %	M-factor (acute) = 10 M-factor (chronic) = 1	120 $^{mg}/_{kg}$ 242 $^{mg}/_{kg}$ 0,11 $^{mg}/_{l}$/4h	oral dermal inhalation: dust/mist

Remarks

All the percentages given are percentages by weight unless stated otherwise. For full text of H-phrases: see SECTION 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General notes

Do not leave affected person unattended. Remove victim out of the danger area. In case of unconsciousness place person in the recovery position. Never give anything by mouth. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice.

Following inhalation

Provide fresh air. If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. In case of respiratory tract irritation, consult a physician.

Following skin contact

Wash with plenty of soap and water. Call a POISON CENTER/doctor.

Following eye contact

Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Remove contact lenses, if present and easy to do. Continue rinsing. Call a POISON CENTER/doctor.

Following ingestion

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting. Call a POISON CENTER or doctor if you feel unwell.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms and effects are not known to date.

4.3 Indication of any immediate medical attention and special treatment needed

For specialist advice physicians should contact the poison centre.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Water spray; Dry extinguishing powder; Carbon dioxide (CO2);
Co-ordinate firefighting measures to the fire surroundings.

Unsuitable extinguishing media

Water jet.

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

During fire hazardous fumes/smoke could be produced. Carbon monoxide (CO). Carbon dioxide (CO2).

5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Co-ordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

Special protective equipment for firefighters

Self-contained breathing apparatus (EN 133). Standard protective clothing for firefighters.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Remove persons to safety. Ventilate affected area.

For emergency responders

Wear breathing apparatus if exposed to vapours/dust/spray/gases. Use personal protective equipment as required.

6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it. If substance has entered a water course or sewer, inform the responsible authority.

6.3 Methods and material for containment and cleaning up

Advice on how to contain a spill

Covering of drains.

Advice on how to clean up a spill

Wipe up with absorbent material (e.g. cloth, fleece).

Appropriate containment techniques

Use of adsorbent materials.

Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Recommendations

- measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation. Use only in well-ventilated areas.

Advice on general occupational hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

7.2 Conditions for safe storage, including any incompatibilities

Managing of associated risks

- incompatible substances or mixtures

Keep away from alkalis, oxidising substances, acids.

Control of effects

Protect against external exposure, such as

High temperatures. UV-radiation/sunlight.

Consideration of other advice

Store in a well-ventilated place. Keep container tightly closed.

- packaging compatibilities

Only packagings which are approved (e.g. acc. to ADR) may be used.

7.3 Specific end use(s)

See section 1.2.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

National limit values

No information available.

Relevant DNELs/DMELs/PNECs and other threshold levels

Relevant DNELs of components of the mixture

Name of substance	CAS No	End-point	Threshold level	Protection goal, route of exposure	Used in	Exposure time
bis-[4-(2,3-epoxipropoxi)phenyl]propane	1675-54-3	DNEL	4,93 mg/m³	human, inhalatory	worker (industry)	chronic - systemic effects
bis-[4-(2,3-epoxipropoxi)phenyl]propane	1675-54-3	DNEL	0,75 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
bis-[4-(2,3-epoxipropoxi)phenyl]propane	1675-54-3	DNEL	0,87 mg/m³	human, inhalatory	consumer (private households)	chronic - systemic effects
bis-[4-(2,3-epoxipropoxi)phenyl]propane	1675-54-3	DNEL	89,3 µg/kg	human, dermal	consumer (private households)	chronic - systemic effects
bis-[4-(2,3-epoxipropoxi)phenyl]propane	1675-54-3	DNEL	0,5 mg/kg bw/day	human, oral	consumer (private households)	chronic - systemic effects
Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol		DNEL	29,39 mg/m³	human, inhalatory	worker (industry)	chronic - systemic effects
Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol		DNEL	104,2 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol		DNEL	8,7 mg/m³	human, inhalatory	consumer (private households)	chronic - systemic effects
Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol		DNEL	62,5 mg/kg bw/day	human, dermal	consumer (private households)	chronic - systemic effects
Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol		DNEL	6,25 mg/kg bw/day	human, oral	consumer (private households)	chronic - systemic effects
oxirane, mono[(C12-14-alkyloxy)methyl] derivs.	68609-97-2	DNEL	3,6 mg/m³	human, inhalatory	worker (industry)	chronic - systemic effects
oxirane, mono[(C12-14-alkyloxy)methyl] derivs.	68609-97-2	DNEL	1 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
oxirane, mono[(C12-14-alkyloxy)methyl] derivs.	68609-97-2	DNEL	0,87 mg/m³	human, inhalatory	consumer (private households)	chronic - systemic effects

Relevant DNELs of components of the mixture

Name of substance	CAS No	End-point	Threshold level	Protection goal, route of exposure	Used in	Exposure time
oxirane, mono[(C12-14-alkyloxy)methyl] derivs.	68609-97-2	DNEL	0,5 mg/kg bw/day	human, dermal	consumer (private households)	chronic - systemic effects
oxirane, mono[(C12-14-alkyloxy)methyl] derivs.	68609-97-2	DNEL	0,5 mg/kg bw/day	human, oral	consumer (private households)	chronic - systemic effects
2-methylisothiazol-3(2H)-one	2682-20-4	DNEL	0,021 mg/m³	human, inhalatory	worker (industry)	chronic - local effects
2-methylisothiazol-3(2H)-one	2682-20-4	DNEL	0,043 mg/m³	human, inhalatory	worker (industry)	acute - local effects
2-methylisothiazol-3(2H)-one	2682-20-4	DNEL	0,021 mg/m³	human, inhalatory	consumer (private households)	chronic - local effects
2-methylisothiazol-3(2H)-one	2682-20-4	DNEL	0,043 mg/m³	human, inhalatory	consumer (private households)	acute - local effects
2-methylisothiazol-3(2H)-one	2682-20-4	DNEL	0,027 mg/kg bw/day	human, oral	consumer (private households)	chronic - systemic effects
2-methylisothiazol-3(2H)-one	2682-20-4	DNEL	0,053 mg/kg bw/day	human, oral	consumer (private households)	acute - systemic effects

Relevant PNECs of components

Name of substance	CAS No	End-point	Threshold level	Organism	Environmental compartment	Exposure time
bis-[4-(2,3-epoxipropoxi)phenyl]propane	1675-54-3	PNEC	0,006 mg/l	aquatic organisms	freshwater	short-term (single instance)
bis-[4-(2,3-epoxipropoxi)phenyl]propane	1675-54-3	PNEC	0,001 mg/l	aquatic organisms	marine water	short-term (single instance)
bis-[4-(2,3-epoxipropoxi)phenyl]propane	1675-54-3	PNEC	10 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
bis-[4-(2,3-epoxipropoxi)phenyl]propane	1675-54-3	PNEC	0,341 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
bis-[4-(2,3-epoxipropoxi)phenyl]propane	1675-54-3	PNEC	0,034 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
bis-[4-(2,3-epoxipropoxi)phenyl]propane	1675-54-3	PNEC	0,065 mg/kg	terrestrial organisms	soil	short-term (single instance)
Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol		PNEC	0,0254 mg/l	aquatic organisms	water	intermittent release
Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol		PNEC	0,003 mg/l	aquatic organisms	freshwater	short-term (single instance)
Formaldehyde, oligomeric reaction		PNEC	0 mg/l	aquatic organisms	marine water	short-term (single instance)

Relevant PNECs of components

Name of substance	CAS No	End-point	Threshold level	Organism	Environmental compartment	Exposure time
products with 1-chloro-2,3-epoxypropane and phenol						
Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol		PNEC	10 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol		PNEC	0,294 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol		PNEC	0,029 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol		PNEC	0,237 mg/kg	terrestrial organisms	soil	short-term (single instance)
oxirane, mono[(C12-14-alkyloxy)methyl] derivs.	68609-97-2	PNEC	0,072 mg/l	aquatic organisms	water	intermittent release
oxirane, mono[(C12-14-alkyloxy)methyl] derivs.	68609-97-2	PNEC	0,106 mg/l	aquatic organisms	freshwater	short-term (single instance)
oxirane, mono[(C12-14-alkyloxy)methyl] derivs.	68609-97-2	PNEC	0,011 mg/l	aquatic organisms	marine water	short-term (single instance)
oxirane, mono[(C12-14-alkyloxy)methyl] derivs.	68609-97-2	PNEC	10 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
oxirane, mono[(C12-14-alkyloxy)methyl] derivs.	68609-97-2	PNEC	307,2 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
oxirane, mono[(C12-14-alkyloxy)methyl] derivs.	68609-97-2	PNEC	30,72 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
oxirane, mono[(C12-14-alkyloxy)methyl] derivs.	68609-97-2	PNEC	1,234 mg/kg	terrestrial organisms	soil	short-term (single instance)
2-methylisothiazol-3(2H)-one	2682-20-4	PNEC	3,39 µg/l	aquatic organisms	freshwater	short-term (single instance)
2-methylisothiazol-3(2H)-one	2682-20-4	PNEC	3,39 µg/l	aquatic organisms	marine water	short-term (single instance)
2-methylisothiazol-3(2H)-one	2682-20-4	PNEC	0,23 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
2-methylisothiazol-3(2H)-one	2682-20-4	PNEC	0,047 mg/kg	terrestrial organisms	soil	short-term (single instance)

8.2 Exposure controls

Appropriate engineering controls

General ventilation. Provide eyewash stations and safety showers at the workplace.

Individual protection measures (personal protective equipment)

Eye/face protection

Use safety goggle with side protection (EN 166).

Skin protection

Protective clothing (EN 340 & EN ISO 13688).

Hand protection

Wear suitable gloves. Check leak-tightness/impermeability prior to use. 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. Chemical protection gloves are suitable, which are tested according to EN 374. The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- type of material

PVC: polyvinyl chloride

- material thickness

Use gloves with a minimum material thickness: ≥ 0,38 mm.

- breakthrough time of the glove material

Use gloves with a minimum breakthrough time of the glove material: >480 minutes (permeation: level 6).

- other protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.

Respiratory protection

In case of inadequate ventilation wear respiratory protection. Full face mask/half mask/quarter mask (EN 136/140). Type: ABEK-P2 (combined filters against gases, vapours and particles, colour code: Brown/Grey/Yellow/Green/White).

Environmental exposure controls

Take appropriate precautions to avoid uncontrolled release into the environment. Keep away from drains, surface and ground water.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	liquid (viscous)
Colour	amber
Odour	like ammonia
Melting point/freezing point	not determined
Boiling point or initial boiling point and boiling range	>100 °C at 1 atm
Flammability	non-combustible
Lower and upper explosion limit	LEL: UEL: not determined

Flash point	>60 °C
Auto-ignition temperature	250 °C (auto-ignition temperature (liquids and gases))
Decomposition temperature	no data available
pH (value)	7 – 9
Kinematic viscosity	2.705 $^{mm^2}/_{s}$ at 20 °C >20,5 $^{mm^2}/_{s}$ at 40 °C
Dynamic viscosity	2.794 cP at 20 °C
Solubility	not relevant

Partition coefficient n-octanol/water (log value)	this information is not available

Vapour pressure	2.348 Pa at 20 °C 12.372 Pa at 50 °C

Density and/or relative density

Density	1.080 $^{kg}/_{m^3}$ at 20 °C
Relative vapour density	information on this property is not available

Particle characteristics	not relevant (liquid)

9.2 Other information

Information with regard to physical hazard classes	hazard classes acc. to GHS (physical hazards): not relevant
Other safety characteristics	there is no additional information

SECTION 10: Stability and reactivity

10.1 Reactivity

This material is not reactive under normal ambient conditions.

10.2 Chemical stability

The material is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

10.3 Possibility of hazardous reactions

No known hazardous reactions.

10.4 Conditions to avoid

There are no specific conditions known which have to be avoided.

10.5 Incompatible materials

Acids. Bases. Oxidisers. Alkali metals.

10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

SECTION 11: Toxicological information

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

Test data are not available for the complete mixture.

Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

Classification according to GHS (1272/2008/EC, CLP)

Acute toxicity

Shall not be classified as acutely toxic.

Acute toxicity estimate (ATE) of components			
Name of substance	**CAS No**	**Exposure route**	**ATE**
2-methylisothiazol-3(2H)-one	2682-20-4	oral	120 $^{mg}/_{kg}$
2-methylisothiazol-3(2H)-one	2682-20-4	dermal	242 $^{mg}/_{kg}$
2-methylisothiazol-3(2H)-one	2682-20-4	inhalation: dust/mist	0,11 $^{mg}/_{l}$/4h

Acute toxicity of components					
Name of substance	**CAS No**	**Exposure route**	**Endpoint**	**Value**	**Species**
bis-[4-(2,3-epoxipropoxi)phenyl]propane	1675-54-3	oral	LD50	19.800 $^{mg}/_{kg}$	rabbit
bis-[4-(2,3-epoxipropoxi)phenyl]propane	1675-54-3	dermal	LD50	>2.000 $^{mg}/_{kg}$	rat
Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol		oral	LD50	>5.000 $^{mg}/_{kg}$	rat
Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol		dermal	LD50	>2.000 $^{mg}/_{kg}$	rat
2-methylisothiazol-3(2H)-one	2682-20-4	oral	LD50	120 $^{mg}/_{kg}$	rat
2-methylisothiazol-3(2H)-one	2682-20-4	inhalation: dust/mist	LC50	0,11 $^{mg}/_{l}$/4h	rat
2-methylisothiazol-3(2H)-one	2682-20-4	dermal	LD50	242 $^{mg}/_{kg}$	rat

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.

Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

Carcinogenicity

Shall not be classified as carcinogenic.

Reproductive toxicity

May damage fertility.

Specific target organ toxicity - single exposure

Shall not be classified as a specific target organ toxicant (single exposure).

Specific target organ toxicity - repeated exposure

Shall not be classified as a specific target organ toxicant (repeated exposure).

Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

11.2 Information on other hazards

Endocrine disrupting properties

Contains an endocrine disruptor (ED) at a concentration of ≥ 0,1%.

Endocrine disrupting chemicals (EDC)

Name of substance	CAS No	Human health category	Wildlife category	Reference decision
bis-[4-(2,3-epoxipropoxi)phenyl]propane	1675-54-3	CAT2	CAT3	EM 1999

Legend

CAT2	Category 2 - at least some in vitro evidence of biological activity related to endocrine disruption
CAT3	Category 3 - no evidence of endocrine disruption or no data available

Other information

There is no additional information.

SECTION 12: Ecological information

12.1 Toxicity

Toxic to aquatic life with long lasting effects.

Aquatic toxicity (acute) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
bis-[4-(2,3-epoxipropoxi)phenyl]propane	1675-54-3	LC50	2,4 mg/l	fish	24 h
bis-[4-(2,3-epoxipropoxi)phenyl]propane	1675-54-3	EC50	2,8 mg/l	aquatic invertebrates	48 h
bis-[4-(2,3-epoxipropoxi)phenyl]propane	1675-54-3	ErC50	>11 mg/l	algae	72 h
bis-[4-(2,3-epoxipropoxi)phenyl]propane	1675-54-3	NOEC	2,4 mg/l	algae	72 h
Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol		LC50	12 mg/l	aquatic invertebrates	48 h
Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol		EC50	>1,8 mg/l	algae	72 h
oxirane, mono[(C12-14-alkyloxy)methyl] derivs.	68609-97-2	LL50	>100 mg/l	fish	96 h
oxirane, mono[(C12-14-alkyloxy)methyl] derivs.	68609-97-2	EL50	51 mg/l	aquatic invertebrates	24 h
oxirane, mono[(C12-14-alkyloxy)methyl] derivs.	68609-97-2	NOEC	>100 mg/l	fish	96 h

Aquatic toxicity (acute) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
oxirane, mono[(C12-14-alkyloxy)methyl] derivs.	68609-97-2	NOELR	1,8 mg/l	aquatic invertebrates	48 h
2-methylisothiazol-3(2H)-one	2682-20-4	LC50	4,77 mg/l	fish	96 h
2-methylisothiazol-3(2H)-one	2682-20-4	EC50	1,7 mg/l	aquatic invertebrates	24 h
2-methylisothiazol-3(2H)-one	2682-20-4	ErC50	>0,072 mg/l	algae	96 h
2-methylisothiazol-3(2H)-one	2682-20-4	NOEC	1,3 mg/l	aquatic invertebrates	96 h

Aquatic toxicity (chronic) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
bis-[4-(2,3-epoxipropoxi)phenyl]propane	1675-54-3	NOEC	0,3 mg/l	aquatic invertebrates	21 d
bis-[4-(2,3-epoxipropoxi)phenyl]propane	1675-54-3	LOEC	1 mg/l	aquatic invertebrates	21 d
bis-[4-(2,3-epoxipropoxi)phenyl]propane	1675-54-3	growth (EbCx) 10%	100 mg/l	microorganisms	3 h
Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol		NOEC	0,3 mg/l	aquatic invertebrates	21 d
Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol		LOEC	1 mg/l	aquatic invertebrates	21 d
oxirane, mono[(C12-14-alkyloxy)methyl] derivs.	68609-97-2	EL50	75 mg/l	aquatic invertebrates	21 d
oxirane, mono[(C12-14-alkyloxy)methyl] derivs.	68609-97-2	EC50	>100 mg/l	microorganisms	180 min
oxirane, mono[(C12-14-alkyloxy)methyl] derivs.	68609-97-2	NOELR	56 mg/l	aquatic invertebrates	21 d
2-methylisothiazol-3(2H)-one	2682-20-4	EC50	1,4 mg/l	aquatic invertebrates	21 d
2-methylisothiazol-3(2H)-one	2682-20-4	ErC50	0,22 mg/l	algae	120 h
2-methylisothiazol-3(2H)-one	2682-20-4	LOEC	9,88 mg/l	fish	98 d
2-methylisothiazol-3(2H)-one	2682-20-4	NOEC	4,93 mg/l	fish	98 d
2-methylisothiazol-3(2H)-one	2682-20-4	growth (EbCx) 10%	1 mg/l	microorganisms	16 h

12.2 Persistence and degradability

Degradability of components

Name of substance	CAS No	Process	Degradation rate	Time	Method
bis-[4-(2,3-epoxipropoxi)phenyl]propane	1675-54-3	oxygen depletion	5 %	28 d	
Formaldehyde, oligomeric reaction		oxygen depletion	0 %	28 d	

Degradability of components					
Name of substance	**CAS No**	**Process**	**Degradation rate**	**Time**	**Method**
products with 1-chloro-2,3-epoxypropane and phenol					
oxirane, mono[(C12-14-alkyloxy)methyl] derivs.	68609-97-2	oxygen depletion	87 %	28 d	
2-methylisothiazol-3(2H)-one	2682-20-4	carbon dioxide generation	54,1 %	29 d	
2-methylisothiazol-3(2H)-one	2682-20-4	oxygen depletion	0 %	28 d	

12.3 Bioaccumulative potential

Bioaccumulative potential of components				
Name of substance	**CAS No**	**BCF**	**Log KOW**	**BOD5/COD**
bis-[4-(2,3-epoxipropoxi)phenyl]propane	1675-54-3	31	≥2,64 – ≤3,78 (pH value: ~7, 25 °C)	
Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol		150	2,7	
oxirane, mono[(C12-14-alkyloxy)methyl] derivs.	68609-97-2	≥160 – ≤263	3,77 (20 °C)	
2-methylisothiazol-3(2H)-one	2682-20-4	5,75	-0,486 (pH value: 7, 25 °C)	

12.4 Mobility in soil

Data are not available.

12.5 Results of PBT and vPvB assessment

Does not contain a PBT-/vPvB-substance at a concentration of ≥ 0,1%.

12.6 Endocrine disrupting properties

Contains an endocrine disruptor (ED) at a concentration of ≥ 0,1%.

Endocrine disrupting chemicals (EDC)				
Name of substance	**CAS No**	**Human health category**	**Wildlife category**	**Reference decision**
bis-[4-(2,3-epoxipropoxi)phenyl]propane	1675-54-3	CAT2	CAT3	EM 1999

Legend

CAT2	Category 2 - at least some in vitro evidence of biological activity related to endocrine disruption
CAT3	Category 3 - no evidence of endocrine disruption or no data available

12.7 Other adverse effects

Data are not available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment.

Waste treatment of containers/packagings

It is a dangerous waste; only packagings which are approved (e.g. acc. to ADR) may be used. Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

Relevant provisions relating to waste

Properties of waste which render it hazardous

HP 4 irritant - skin irritation and eye damage
HP 10 toxic for reproduction
HP 13 sensitising
HP 14 ecotoxic

Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

SECTION 14: Transport information

14.1 UN number or ID number

ADR/RID/ADN	UN 3082
IMDG-Code	UN 3082
ICAO-TI	UN 3082

14.2 UN proper shipping name

ADR/RID/ADN	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
IMDG-Code	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
ICAO-TI	Environmentally hazardous substance, liquid, n.o.s.
Technical name (Hazardous ingredients)	bis-[4-(2,3-epoxipropoxi)phenyl]propane

14.3 Transport hazard class(es)

ADR/RID/ADN	9
IMDG-Code	9
ICAO-TI	9

14.4 Packing group

ADR/RID/ADN	III
IMDG-Code	III
ICAO-TI	III

14.5 Environmental hazards

hazardous to the aquatic environment

Environmentally hazardous substance (aquatic environment) bis-[4-(2,3-epoxipropoxi)phenyl]propane

14.6 Special precautions for user

Provisions for dangerous goods (ADR) should be complied within the premises.

14.7 Maritime transport in bulk according to IMO instruments

No data available.

Additional information for each of the UN Model Regulations

Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN) - additional information

Classification code	M6
Danger label(s)	9, fish and tree

Environmental hazards	yes (hazardous to the aquatic environment)
Special provisions (SP)	274, 335, 375, 601
Excepted quantities (EQ)	E1
Limited quantities (LQ)	5 L
Transport category (TC)	3
Tunnel restriction code (TRC)	-
Hazard identification No	90

International Maritime Dangerous Goods Code (IMDG) - additional information

Marine pollutant	yes (hazardous to the aquatic environment) (bis-[4-(2,3-epoxipropoxi)phenyl]propane)
Danger label(s)	9, fish and tree

Special provisions (SP)	274, 335, 969
Excepted quantities (EQ)	E1
Limited quantities (LQ)	5 L
EmS	F-A, S-F
Stowage category	A

International Civil Aviation Organization (ICAO-IATA/DGR) - additional information

Environmental hazards	yes (hazardous to the aquatic environment)
Danger label(s)	9, fish and tree

Special provisions (SP)	A97, A158, A197, A215
Excepted quantities (EQ)	E1
Limited quantities (LQ)	30 kg

SECTION 15: Regulatory information

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

Relevant provisions of the European Union (EU)

Restrictions according to REACH, Annex XVII

Name	Name acc. to inventory	No
PROF 123 omnifill component 2	this product meets the criteria for classification in accordance with Regulation No 1272/2008/EC	3
oxirane, mono[(C12-14-alkyloxy)methyl] derivs.	substances in tattoo inks and permanent make-up	75
2-methylisothiazol-3(2H)-one	substances in tattoo inks and permanent make-up	75
bis-[4-(2,3-epoxipropoxi)phenyl]propane	substances in tattoo inks and permanent make-up	75

List of substances subject to authorisation (REACH, Annex XIV) / SVHC - candidate list

None of the ingredients are listed.

Seveso Directive

2012/18/EU (Seveso III)

No	Dangerous substance/hazard categories	Qualifying quantity (tonnes) for the application of lower and upper-tier requirements		Notes
E2	environmental hazards (hazardous to the aquatic environment, cat. 2)	200	500	57)

Notation

57) hazardous to the Aquatic Environment in category Chronic 2

Regulation concerning the establishment of a European Pollutant Release and Transfer Register (PRTR)

None of the ingredients are listed.

Water Framework Directive (WFD)

List of pollutants (WFD)

Name of substance	Name acc. to inventory	CAS No	Listed in	Remarks
oxirane, mono[(C12-14-alkyloxy)methyl] derivs.	Substances and preparations, or the breakdown products of such, which have been proved to possess carcinogenic or mutagenic properties or properties which may affect steroidogenic, thyroid, reproduction or other endocrine-related functions in or via the aquatic environment		a)	
bis-[4-(2,3-epoxipropoxi)phenyl]propane	Substances and preparations, or the breakdown products of such, which have been proved to possess carcinogenic or mutagenic properties or properties which may affect steroidogenic, thyroid, reproduction or other endocrine-related functions in or via the aquatic environment		a)	

Legend

a) Indicative list of the main pollutants

Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors, amending Regulation (EC) No 1907/2006 and repealing Regulation (EU) No 98/2013

None of the ingredients are listed.

Regulation on persistent organic pollutants (POP)

None of the ingredients are listed.

15.2 Chemical safety assessment

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

SECTION 16: Other information

Indication of changes (revised safety data sheet)

Compared to previous version only minor textual changes.

Section	Former entry (text/value)	Actual entry (text/value)
16	Indication of changes (revised safety data sheet): Complete revision of the safety data sheet.	Indication of changes (revised safety data sheet): Compared to previous version only minor textual changes.

Abbreviations and acronyms

Abbr.	Descriptions of used abbreviations
Acute Tox.	Acute toxicity
ADN	Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures (European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways)
ADR	Accord relatif au transport international des marchandises dangereuses par route (Agreement concerning the International Carriage of Dangerous Goods by Road)
ADR/RID/ADN	Agreements concerning the International Carriage of Dangerous Goods by Road/Rail/Inland Waterways (ADR/RID/ADN)
Aquatic Acute	Hazardous to the aquatic environment - acute hazard
Aquatic Chronic	Hazardous to the aquatic environment - chronic hazard
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
BOD	Biochemical Oxygen Demand
CAS	Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
COD	Chemical oxygen demand
DGR	Dangerous Goods Regulations (see IATA/DGR)
DMEL	Derived Minimal Effect Level
DNEL	Derived No-Effect Level
EC50	Effective Concentration 50 %. The EC50 corresponds to the concentration of a tested substance causing 50 % changes in response (e.g. on growth) during a specified time interval
EC No	The EC Inventory (EINECS, ELINCS and the NLP-list) is the source for the seven-digit EC number, an identifier of substances commercially available within the EU (European Union)
ED	Endocrine disruptor
EINECS	European Inventory of Existing Commercial Chemical Substances
EL50	Effective Loading 50 %: the EL50 corresponds to the loading rate required to produce a response in 50% of the

Abbr.	Descriptions of used abbreviations
	test organisms
ELINCS	European List of Notified Chemical Substances
EmS	Emergency Schedule
ErC50	≡ EC50: in this method, that concentration of test substance which results in a 50 % reduction in either growth (EbC50) or growth rate (ErC50) relative to the control
Eye Dam.	Seriously damaging to the eye
Eye Irrit.	Irritant to the eye
GHS	"Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations
IATA	International Air Transport Association
IATA/DGR	Dangerous Goods Regulations (DGR) for the air transport (IATA)
ICAO	International Civil Aviation Organization
ICAO-TI	Technical instructions for the safe transport of dangerous goods by air
IMDG	International Maritime Dangerous Goods Code
IMDG-Code	International Maritime Dangerous Goods Code
index No	The Index number is the identification code given to the substance in Part 3 of Annex VI to Regulation (EC) No 1272/2008
LC50	Lethal Concentration 50%: the LC50 corresponds to the concentration of a tested substance causing 50 % lethality during a specified time interval
LD50	Lethal Dose 50 %: the LD50 corresponds to the dose of a tested substance causing 50 % lethality during a specified time interval
LEL	Lower explosion limit (LEL)
LL50	Lethal Loading 50 %: the LL50 corresponds to the loading rate causing 50 % lethality
LOEC	Lowest Observed Effect Concentration
log KOW	n-Octanol/water
M-factor	Means a multiplying factor. It is applied to the concentration of a substance classified as hazardous to the aquatic environment acute category 1 or chronic category 1, and is used to derive by the summation method the classification of a mixture in which the substance is present
NLP	No-Longer Polymer
NOEC	No Observed Effect Concentration
NOELR	No Observed Effect Loading Rate
PBT	Persistent, Bioaccumulative and Toxic
PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
Repr.	Reproductive toxicity
RID	Règlement concernant le transport International ferroviaire des marchandises Dangereuses (Regulations concerning the International carriage of Dangerous goods by Rail)
Skin Corr.	Corrosive to skin
Skin Irrit.	Irritant to skin
Skin Sens.	Skin sensitisation
SVHC	Substance of Very High Concern
UEL	Upper explosion limit (UEL)

Abbr.	Descriptions of used abbreviations
vPvB	Very Persistent and very Bioaccumulative

Key literature references and sources for data

Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures. Regulation (EC) No. 1907/2006 (REACH), amended by 2020/878/EU.

Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).

Classification procedure

Physical and chemical properties: The classification is based on tested mixture.
Health hazards, Environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

List of relevant phrases (code and full text as stated in section 2 and 3)

Code	Text
H301	Toxic if swallowed.
H311	Toxic 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.
H330	Fatal if inhaled.
H360F	May damage fertility.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.

Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

amended by 2020/878/EU

PROF 123 COLOUR omnifill
SPECTRALOCK PRO PREMIUM GROUT PART C

Version number: 1.1
Replaces version of: 30.01.2025 (1)

Date of compilation: 25.02.2025

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

1.1 Product identifier

Trade name **PROF 123 COLOUR omnifill**

Registration number (REACH) not relevant (mixture)

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

Relevant identified uses Colour component (component 3) for PROF 123 omnifill (component 1 and 2)
Professional use

1.3 Details of the supplier of the safety data sheet

Omnicol NV
Nijverheidsstraat 14
2381 Weelde
Belgium

Telephone: +32 14 65 62 85
e-mail: info@omnicol.eu

Additional information

Manufacturer			
Country	**Name**	**Postal code/city**	**Telephone**
Italy	Laticrete Europe SRL	41051 Castelnuovo Rangone	339 059 535540

e-mail (competent person) info@omnicol.eu

1.4 Emergency telephone number

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

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

This mixture does not meet the criteria for classification in accordance with Regulation No 1272/2008/EC.

2.2 Label elements

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

Not required.

2.3 Other hazards

Results of PBT and vPvB assessment

Does not contain a PBT-/vPvB-substance at a concentration of ≥ 0,1%.

Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) at a concentration of ≥ 0,1%.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not relevant (mixture).

3.2 Mixtures

The product does not contain (other) ingredients which are classified according to present knowledge of the supplier and contribute to the classification of the product and hence require reporting in this section.

This product does not meet the criteria for classification in any hazard class according to GHS.

SECTION 4: First aid measures

4.1 Description of first aid measures

General notes

Do not leave affected person unattended. Remove victim out of the danger area. In case of unconsciousness place person in the recovery position. Never give anything by mouth. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice.

Following inhalation

Provide fresh air. If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. In case of respiratory tract irritation, consult a physician.

Following skin contact

Brush off loose particles from skin. Rinse skin with water/shower. Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.

Following eye contact

Do not rub the eyes. Mechanical stress can cause damage to the cornea. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Following ingestion

Rinse mouth with water (only if the person is conscious). Call a doctor if you feel unwell.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms and effects are not known to date.

4.3 Indication of any immediate medical attention and special treatment needed

None.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Water; Foam; Dry extinguishing powder; ABC-powder;
Co-ordinate firefighting measures to the fire surroundings.

Unsuitable extinguishing media

Water jet.

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

During fire hazardous fumes/smoke could be produced.

5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Co-ordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

Special protective equipment for firefighters

Self-contained breathing apparatus (EN 133). Standard protective clothing for firefighters.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Remove persons to safety. Control of dust.

For emergency responders

Wear breathing apparatus if exposed to vapours/dust/spray/gases. Use personal protective equipment as required.

6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it.

6.3 Methods and material for containment and cleaning up

Advice on how to contain a spill

Covering of drains.

Advice on how to clean up a spill

Take up mechanically.

Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Recommendations

- measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation. Take precautionary measures against static discharge. Use only in well-ventilated areas.

- specific notes/details

Dust deposits may accumulate on all deposition surfaces in a technical room.

Advice on general occupational hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

7.2 Conditions for safe storage, including any incompatibilities

Managing of associated risks

- explosive atmospheres

Removal of dust deposits.

- flammability hazards

Keep away from sources of ignition - No smoking. Take precautionary measures against static discharge.

- incompatible substances or mixtures

Keep away from alkalis, oxidising substances, acids.

Control of effects

Protect against external exposure, such as

High temperatures. UV-radiation/sunlight.

Consideration of other advice

Store in a well-ventilated place. Keep container tightly closed.

- ventilation requirements

Use local and general ventilation.

- packaging compatibilities

Keep only in original container.

7.3 Specific end use(s)

See section 1.2.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Relevant DNELs/DMELs/PNECs and other threshold levels

No data available.

8.2 Exposure controls

Appropriate engineering controls

General ventilation. Provide eyewash stations and safety showers at the workplace.

Individual protection measures (personal protective equipment)

Eye/face protection

Use safety goggle with side protection (EN 166).

Skin protection

Protective clothing (EN 340 & EN ISO 13688).

Hand protection

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- type of material

CR: chloroprene (chlorobutadiene) rubber, Nitrile rubber, Butyl rubber

- breakthrough time of the glove material

Use gloves with a minimum breakthrough time of the glove material: >10 minutes (permeation: level 1).

- other protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.

Respiratory protection

In case of inadequate ventilation wear respiratory protection. Full face mask/half mask/quarter mask (EN 136/140). P2 (filters at least 94 % of airborne particles, colour code: White).

Environmental exposure controls

Take appropriate precautions to avoid uncontrolled release into the environment. Keep away from drains, surface and ground water.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	solid (powder)
Colour	various
Odour	odourless
Melting point/freezing point	not determined
Boiling point or initial boiling point and boiling range	2.230 °C at 101,3 kPa
Flammability	non-combustible

Lower and upper explosion limit	LEL: UEL: not relevant (solid)
Flash point	not applicable
Auto-ignition temperature	not relevant
Decomposition temperature	no data available
pH (value)	7 – 9
Kinematic viscosity	not relevant
Solubility	not determined

Partition coefficient n-octanol/water (log value)	this information is not available

Vapour pressure	not determined

Density and/or relative density

Density	1.340 $^{kg}/_{m^3}$ at 20 °C
Relative vapour density	information on this property is not available

Particle characteristics	no data available

9.2 Other information

Information with regard to physical hazard classes	hazard classes acc. to GHS (physical hazards): not relevant
Other safety characteristics	there is no additional information

SECTION 10: Stability and reactivity

10.1 Reactivity

This material is not reactive under normal ambient conditions.

10.2 Chemical stability

The material is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

10.3 Possibility of hazardous reactions

No known hazardous reactions.

10.4 Conditions to avoid

There are no specific conditions known which have to be avoided.

Hints to prevent fire or explosion

The product in the delivered form is not dust explosion capable; the enrichment of fine dust however leads to the danger of dust explosion.

10.5 Incompatible materials

Acids. Bases. Oxidisers.

10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

SECTION 11: Toxicological information

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

Test data are not available for the complete mixture.

Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

Classification according to GHS (1272/2008/EC, CLP)

This mixture does not meet the criteria for classification in accordance with Regulation No 1272/2008/EC.

Acute toxicity

Shall not be classified as acutely toxic.

Skin corrosion/irritation

Shall not be classified as corrosive/irritant to skin.

Serious eye damage/eye irritation

Shall not be classified as seriously damaging to the eye or eye irritant.

Respiratory or skin sensitisation

Shall not be classified as a respiratory or skin sensitiser.

Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

Carcinogenicity

Shall not be classified as carcinogenic.

Reproductive toxicity

Shall not be classified as a reproductive toxicant.

Specific target organ toxicity - single exposure

Shall not be classified as a specific target organ toxicant (single exposure).

Specific target organ toxicity - repeated exposure

Shall not be classified as a specific target organ toxicant (repeated exposure).

Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

11.2 Information on other hazards

Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) at a concentration of ≥ 0,1%.

Other information

There is no additional information.

SECTION 12: Ecological information

12.1 Toxicity

Shall not be classified as hazardous to the aquatic environment.

12.2 Persistence and degradability

Data are not available.

12.3 Bioaccumulative potential

Data are not available.

12.4 Mobility in soil

Data are not available.

12.5 Results of PBT and vPvB assessment

Does not contain a PBT-/vPvB-substance at a concentration of ≥ 0,1%.

12.6 Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) at a concentration of ≥ 0,1%.

12.7 Other adverse effects

Data are not available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment.

Waste treatment of containers/packagings

Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

SECTION 14: Transport information

14.1 UN number or ID number	not subject to transport regulations
14.2 UN proper shipping name	not relevant
14.3 Transport hazard class(es)	none
14.4 Packing group	not assigned
14.5 Environmental hazards	non-environmentally hazardous acc. to the dangerous goods regulations

14.6 Special precautions for user

There is no additional information.

14.7 Maritime transport in bulk according to IMO instruments

No data available.

Additional information for each of the UN Model Regulations

Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN) - additional information

Not subject to ADR, RID and ADN.

International Maritime Dangerous Goods Code (IMDG) - additional information

Not subject to IMDG.

International Civil Aviation Organization (ICAO-IATA/DGR) - additional information

Not subject to ICAO-IATA.

SECTION 15: Regulatory information

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

Relevant provisions of the European Union (EU)

Restrictions according to REACH, Annex XVII

None of the ingredients are listed.

List of substances subject to authorisation (REACH, Annex XIV) / SVHC - candidate list

None of the ingredients are listed.

Seveso Directive

2012/18/EU (Seveso III)			
No	**Dangerous substance/hazard categories**	**Qualifying quantity (tonnes) for the application of lower and upper-tier requirements**	**Notes**
	not assigned		

Regulation concerning the establishment of a European Pollutant Release and Transfer Register (PRTR)

None of the ingredients are listed.

Water Framework Directive (WFD)

None of the ingredients are listed.

Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors, amending Regulation (EC) No 1907/2006 and repealing Regulation (EU) No 98/2013

None of the ingredients are listed.

Regulation on persistent organic pollutants (POP)

None of the ingredients are listed.

15.2 Chemical safety assessment

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

SECTION 16: Other information

Indication of changes (revised safety data sheet)

Compared to previous version only minor textual changes.

Section	Former entry (text/value)	Actual entry (text/value)
16		Indication of changes (revised safety data sheet): Compared to previous version only minor textual changes.

Abbreviations and acronyms

Abbr.	Descriptions of used abbreviations
ADN	Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures (European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways)
ADR	Accord relatif au transport international des marchandises dangereuses par route (Agreement concerning the International Carriage of Dangerous Goods by Road)
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
DGR	Dangerous Goods Regulations (see IATA/DGR)

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Abbr.	Descriptions of used abbreviations
DMEL	Derived Minimal Effect Level
DNEL	Derived No-Effect Level
ED	Endocrine disruptor
GHS	"Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations
IATA	International Air Transport Association
IATA/DGR	Dangerous Goods Regulations (DGR) for the air transport (IATA)
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods Code
LEL	Lower explosion limit (LEL)
PBT	Persistent, Bioaccumulative and Toxic
PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Règlement concernant le transport International ferroviaire des marchandises Dangereuses (Regulations concerning the International carriage of Dangerous goods by Rail)
SVHC	Substance of Very High Concern
UEL	Upper explosion limit (UEL)
vPvB	Very Persistent and very Bioaccumulative

Key literature references and sources for data

Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures. Regulation (EC) No. 1907/2006 (REACH), amended by 2020/878/EU.

Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).

Classification procedure

Physical and chemical properties: The classification is based on tested mixture.
Health hazards, Environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product. For this product it is not legally required to provide an SDS under Article 31 of the REACH Regulation, because the product is not classified as hazardous. This document is prepared as a voluntary and additional service to provide general safety information.

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

amended by 2020/878/EU

Laticrete initial/final wash cleaning additive

Version number: 1.0 Date of compilation: 30.01.2025

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

1.1 Product identifier

Trade name	**Laticrete initial/final wash cleaning additive**
Identification of the substance	**citric acid**
Registration number (REACH)	01-2119457026-42-xxxx
EC number	201-069-1
CAS number	77-92-9

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

Relevant identified uses	Cleaning additive For professional users only

1.3 Details of the supplier of the safety data sheet

Omnicol NV
Nijverheidsstraat 14
2381 Weelde
Belgium

Telephone: +32 14 65 62 85
e-mail: info@omnicol.eu

Additional information

Manufacturer			
Country	**Name**	**Postal code/city**	**Telephone**
Italy	Laticrete Europe SRL	41051 Castelnuovo Rangone	339 059 535540

e-mail (competent person) info@omnicol.eu

1.4 Emergency telephone number

Poison centre		
Country	**Name**	**Telephone**
Belgium	Antigifcentrum / Centre Antipoisons / Gift-Notruf	070 245 245 (24/7 bereikbaar / accessible / erreichbar)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

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

Section	Hazard class	Category	Hazard class and category	Hazard statement
3.3	serious eye damage/eye irritation	2	Eye Irrit. 2	H319
3.8R	specific target organ toxicity - single exposure (respiratory tract irritation)	3	STOT SE 3	H335

For full text of H-phrases: see SECTION 16
Harmonised classification (the classification of the substance corresponds to the entry in the list according to 1272/2008/EC, Annex VI)

2.2 Label elements

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

- signal word: Warning

- pictograms

GHS07

- hazard statements

H319	Causes serious eye irritation.
H335	May cause respiratory irritation.

- precautionary statements

P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P501	Dispose of contents/container in accordance with regulations on hazardous waste or packaging and packaging waste respectively.

2.3 Other hazards

Results of PBT and vPvB assessment

According to the results of its assessment, this substance is not a PBT or a vPvB.

Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) at a concentration of ≥ 0,1%.

SECTION 3: Composition/information on ingredients

3.1 Substances

Name of substance	citric acid
Identifiers	
REACH Reg. No	01-2119457026-42-xxxx
CAS No	77-92-9
EC No	201-069-1
Index No	607-750-00-3
Purity	≥70 %
Molecular formula	C6H8O7
Molar mass	192,1 $^{g}/_{mol}$

SECTION 4: First aid measures

4.1 Description of first aid measures

General notes

Do not leave affected person unattended. Remove victim out of the danger area. In case of unconsciousness place person in the recovery position. Never give anything by mouth. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice.

Following inhalation

Provide fresh air. If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. In case of respiratory tract irritation, consult a physician.

Following skin contact

Brush off loose particles from skin. Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.

Following eye contact

Do not rub the eyes. Mechanical stress can cause damage to the cornea. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Remove contact lenses, if present and easy to do. Continue rinsing. Call a POISON CENTER/doctor.

Following ingestion

Rinse mouth with water (only if the person is conscious). Call a POISON CENTER or doctor if you feel unwell.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms and effects are not known to date.

4.3 Indication of any immediate medical attention and special treatment needed

For specialist advice physicians should contact the poison centre.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Water; Foam; Alcohol resistant foam; Dry extinguishing powder; ABC-powder;
Co-ordinate firefighting measures to the fire surroundings.

Unsuitable extinguishing media

Water jet.

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

During fire hazardous fumes/smoke could be produced. Carbon monoxide (CO). Carbon dioxide (CO2).

5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Co-ordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

Special protective equipment for firefighters

Self-contained breathing apparatus (EN 133). Standard protective clothing for firefighters.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Remove persons to safety.

For emergency responders

Wear breathing apparatus if exposed to vapours/dust/spray/gases. Use personal protective equipment as required.

6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it.

6.3 Methods and material for containment and cleaning up

Advice on how to contain a spill

Covering of drains.

Advice on how to clean up a spill

Take up mechanically.

Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Recommendations

- measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation. Use only in well-ventilated areas.

- handling of incompatible substances or mixtures

- keep away from

Caustic solutions

Advice on general occupational hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

7.2 Conditions for safe storage, including any incompatibilities

Managing of associated risks

- incompatible substances or mixtures

Keep away from alkalis, oxidising substances, acids.

Control of effects

Protect against external exposure, such as

High temperatures. UV-radiation/sunlight.

Consideration of other advice

Store in a well-ventilated place. Keep container tightly closed.

- packaging compatibilities

Keep only in original container.

7.3 Specific end use(s)

See section 1.2.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

National limit values

No information available.

Relevant DNELs/DMELs/PNECs and other threshold levels

No data available.

8.2 Exposure controls

Appropriate engineering controls

General ventilation. Provide eyewash stations and safety showers at the workplace.

Individual protection measures (personal protective equipment)

Eye/face protection

Use safety goggle with side protection (EN 166).

Skin protection

Protective clothing (EN 340 & EN ISO 13688).

Hand protection

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. The selection of the suitable gloves does not only depend on the material, but also on other quality characteristics and varies from manufacturer to manufacturer.

- type of material

Nitrile rubber

- material thickness

Use gloves with a minimum material thickness: ≥ 0,38 mm.

- breakthrough time of the glove material

Use gloves with a minimum breakthrough time of the glove material: >480 minutes (permeation: level 6).

- other protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.

Respiratory protection

In case of inadequate ventilation wear respiratory protection. Full face mask/half mask/quarter mask (EN 136/140). Type: ABEK-P2 (combined filters against gases, vapours and particles, colour code: Brown/Grey/Yellow/Green/White).

Environmental exposure controls

Take appropriate precautions to avoid uncontrolled release into the environment. Keep away from drains, surface and ground water.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	solid (crystalline)
Colour	white
Odour	odourless
Melting point/freezing point	153 °C at 1.013 hPa
Boiling point or initial boiling point and boiling range	not determined
Flammability	non-combustible
Lower and upper explosion limit	LEL: UEL: not relevant (solid)
Flash point	188 °C
Auto-ignition temperature	1.010 °C (relative self-ignition temperature for solids)
Decomposition temperature	no data available
pH (value)	1,8 (25 °C) (acid)
Kinematic viscosity	not relevant
Solubility	not determined

Partition coefficient n-octanol/water (log value)	this information is not available

Vapour pressure	0,000002 Pa at 20 °C

Density and/or relative density

Density	1.660 $^{kg}/_{m^3}$ at 20 °C
Relative vapour density	information on this property is not available

Particle characteristics	no data available

9.2 Other information

Information with regard to physical hazard classes	hazard classes acc. to GHS (physical hazards): not relevant
Other safety characteristics	there is no additional information

SECTION 10: Stability and reactivity

10.1 Reactivity

This material is not reactive under normal ambient conditions.

10.2 Chemical stability

The material is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

10.3 Possibility of hazardous reactions

No known hazardous reactions.

10.4 Conditions to avoid

There are no specific conditions known which have to be avoided.

10.5 Incompatible materials

Bases. Oxidisers.

10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

SECTION 11: Toxicological information

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

Classification according to GHS (1272/2008/EC, CLP)

Acute toxicity

Shall not be classified as acutely toxic.

Acute toxicity			
Exposure route	**Endpoint**	**Value**	**Species**
oral	LD50	5.400 $^{mg}/_{kg}$	mouse
dermal	LD50	>2.000 $^{mg}/_{kg}$	rat

Skin corrosion/irritation

Shall not be classified as corrosive/irritant to skin.

Serious eye damage/eye irritation

Causes serious eye irritation.

Respiratory or skin sensitisation

Shall not be classified as a respiratory or skin sensitiser.

Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

Carcinogenicity

Shall not be classified as carcinogenic.

Reproductive toxicity

Shall not be classified as a reproductive toxicant.

Specific target organ toxicity - single exposure

May cause respiratory irritation.

Specific target organ toxicity - repeated exposure

Shall not be classified as a specific target organ toxicant (repeated exposure).

Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

11.2 Information on other hazards

Other information

There is no additional information.

SECTION 12: Ecological information

12.1 Toxicity

Shall not be classified as hazardous to the aquatic environment.

12.2 Persistence and degradability

Data are not available.

12.3 Bioaccumulative potential

Data are not available.

12.4 Mobility in soil

Data are not available.

12.5 Results of PBT and vPvB assessment

According to the results of its assessment, this substance is not a PBT or a vPvB.

12.6 Endocrine disrupting properties

Information on this property is not available.

12.7 Other adverse effects

Data are not available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment.

Waste treatment of containers/packagings

Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

Relevant provisions relating to waste

Properties of waste which render it hazardous

HP 4 irritant - skin irritation and eye damage
HP 5 specific target organ toxicity (STOT)/aspiration toxicity

Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

SECTION 14: Transport information

14.1	**UN number or ID number**	not subject to transport regulations
14.2	**UN proper shipping name**	not relevant
14.3	**Transport hazard class(es)**	none
14.4	**Packing group**	not assigned
14.5	**Environmental hazards**	non-environmentally hazardous acc. to the dangerous goods regulations

14.6 Special precautions for user

There is no additional information.

14.7 Maritime transport in bulk according to IMO instruments

No data available.

Additional information for each of the UN Model Regulations

Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN) - additional information

Not subject to ADR, RID and ADN.

International Maritime Dangerous Goods Code (IMDG) - additional information

Not subject to IMDG.

International Civil Aviation Organization (ICAO-IATA/DGR) - additional information

Not subject to ICAO-IATA.

SECTION 15: Regulatory information

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

Relevant provisions of the European Union (EU)

Restrictions according to REACH, Annex XVII

Name	Name acc. to inventory	No
citric acid	substances in tattoo inks and permanent make-up	75

List of substances subject to authorisation (REACH, Annex XIV) / SVHC - candidate list

Not listed.

Seveso Directive

2012/18/EU (Seveso III)			
No	**Dangerous substance/hazard categories**	**Qualifying quantity (tonnes) for the application of lower and upper-tier requirements**	**Notes**
	not assigned		

Regulation concerning the establishment of a European Pollutant Release and Transfer Register (PRTR)

Not listed.

Water Framework Directive (WFD)

Not listed.

Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors, amending Regulation (EC) No 1907/2006 and repealing Regulation (EU) No 98/2013

Not listed.

Regulation on persistent organic pollutants (POP)

Not listed.

15.2 Chemical safety assessment

For this substance a chemical safety assessment has been carried out.

SECTION 16: Other information

Abbreviations and acronyms

Abbr.	Descriptions of used abbreviations
ADN	Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures (European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways)
ADR	Accord relatif au transport international des marchandises dangereuses par route (Agreement concerning the International Carriage of Dangerous Goods by Road)
CAS	Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
DGR	Dangerous Goods Regulations (see IATA/DGR)
DMEL	Derived Minimal Effect Level
DNEL	Derived No-Effect Level
EC No	The EC Inventory (EINECS, ELINCS and the NLP-list) is the source for the seven-digit EC number, an identifier of substances commercially available within the EU (European Union)
ED	Endocrine disruptor
EINECS	European Inventory of Existing Commercial Chemical Substances
ELINCS	European List of Notified Chemical Substances
GHS	"Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations
IATA	International Air Transport Association
IATA/DGR	Dangerous Goods Regulations (DGR) for the air transport (IATA)
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods Code
index No	The Index number is the identification code given to the substance in Part 3 of Annex VI to Regulation (EC) No 1272/2008
LD50	Lethal Dose 50 %: the LD50 corresponds to the dose of a tested substance causing 50 % lethality during a specified time interval
LEL	Lower explosion limit (LEL)
NLP	No-Longer Polymer
PBT	Persistent, Bioaccumulative and Toxic
PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Règlement concernant le transport International ferroviaire des marchandises Dangereuses (Regulations concerning the International carriage of Dangerous goods by Rail)
SVHC	Substance of Very High Concern
UEL	Upper explosion limit (UEL)
vPvB	Very Persistent and very Bioaccumulative

Key literature references and sources for data

Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures. Regulation (EC) No. 1907/2006 (REACH), amended by 2020/878/EU.

Transport of dangerous goods by road, rail and inland waterway (ADR/RID/ADN). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).

List of relevant phrases (code and full text as stated in section 2 and 3)

Code	Text
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.

Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.