

Wasmiddel 1,2,3-Schoon Wit

Version number: 1.0

Date of compilation: 2025-08-12

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

1.1 Product identifier

Trade name	Wasmiddel 1,2,3-Schoon Wit
Registration number (REACH)	not relevant (mixture)
Product number	TP0170_SCH

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

Relevant identified uses	Detergent Laundry detergent Consumer uses
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1.3 Details of the supplier of the safety data sheet

Supplier

Vipack B.V.
Minckelersstraat 7
6372 PP Landgraaf
Netherlands
Telephone: +31 (0)45 7501 220
Telefax: +31 (0)45 5 32 73 56
e-mail: info@vipack.nl
Website: www.vipack.nl

Distributor

123schoon.nl
Koningsbeltweg 52
1329AK Almere
Netherlands
Telephone: +31 (0) 294-787125
e-mail: Info@123schoon.nl

e-mail (competent person) info@vipack.nl

1.4 Emergency telephone number

Emergency information service +31 848340120 (24/7)

Poison centre		
Country	Name	Telephone
Ireland	National Poisons Information Centre (NPIC)	Consumer: 01 809 2166 (8am-10pm) Healthcare Professional: 1 809 2566 (24/7)

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
3.2	skin corrosion/irritation	2	Skin Irrit. 2	H315
3.3	serious eye damage/eye irritation	1	Eye Dam. 1	H318

For full text of H-phrases: see SECTION 16

2.2 Label elements

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

- signal word Danger

- pictograms

GHS05



- hazard statements

H315

Causes skin irritation.

H318

Causes serious eye damage.

- precautionary statements

P101

If medical advice is needed, have product container or label at hand.

P102

Keep out of reach of children.

P280

Wear eye 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.

P310

Immediately call a POISON CENTER/doctor.

P362+P364

Take off contaminated clothing and wash it before reuse.

- hazardous ingredients for labelling

Contains: SODIUM DODECYLBENZENESULFONATE; C12-14 PARETH-7; SODIUM LAURETH SULFATE.

2.3 Other hazards

This material is combustible, but will not ignite readily.

Results of PBT and vPvB assessment

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

Endocrine disrupting properties

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

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.

REACH information: In order to use the most updated information we have incorporated data available via the public REACH dossier into the safety datasheet. Ingredients in the mixture do not fulfill the tonnage requirements for REACH registration as they are produced and/or imported <1 tonne per year.

Name of substance	Identifier	Wt%	Classification acc. to GHS	Pictograms	Notes
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	CAS No 68411-30-3 EC No 270-115-0 REACH Reg. No 01-2119489428-22-xxxx	10 – < 25	Acute Tox. 4 / H302 Skin Irrit. 2 / H315 Eye Dam. 1 / H318 Aquatic Chronic 3 / H412	 	
Alcohols, C12-14 (even numbered), ethoxylated (7-EO)	EC No 931-837-8	5 – < 10	Acute Tox. 4 / H302 Eye Dam. 1 / H318	 	

Safety Data Sheet

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Name of substance	Identifier	Wt%	Classification acc. to GHS	Pictograms	Notes
Alcohols, C12-14, ethoxylated, sulfates, sodium salts	CAS No 68891-38-3 EC No 500-234-8 REACH Reg. No 01-2119488639-16-xxxx	2.5 – < 5	Skin Irrit. 2 / H315 Eye Dam. 1 / H318		
Ethanol	CAS No 64-17-5 EC No 200-578-6 Index No 603-002-00-5 REACH Reg. No 01-2119457610-43-xxxx	2.5 – < 5	Flam. Liq. 2 / H225 Eye Irrit. 2 / H319	 	GHS-HC
Pyridine-2-thiol 1-oxide, sodium salt	CAS No 3811-73-2 EC No 223-296-5 Index No 613-344-00-7	< 1	Acute Tox. 4 / H302 Acute Tox. 3 / H311 Acute Tox. 3 / H331 Skin Irrit. 2 / H315 Eye Irrit. 2 / H319 Skin Sens. 1 / H317 STOT RE 1 / H372 Aquatic Acute 1 / H400 Aquatic Chronic 2 / H411 EUH070	  	GHS-HC

Notes

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
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	CAS No 68411-30-3 EC No 270-115-0	-	-	1,080 mg/kg	oral
Alcohols, C12-14 (even numbered), ethoxylated (7-EO)	EC No 931-837-8	-	-	500 mg/kg	oral
Alcohols, C12-14, ethoxylated, sulfates, sodium salts	CAS No 68891-38-3 EC No 500-234-8	Eye Dam. 1; H318: C ≥ 10 % Eye Irrit. 2; H319: 5 % ≤ C < 10 %	-	-	
Ethanol	CAS No 64-17-5 EC No 200-578-6	Eye Irrit. 2; H319: C ≥ 50 %	-	-	
Pyridine-2-thiol 1-oxide, sodium salt	CAS No 3811-73-2 EC No 223-296-5	-	M-factor (acute) = 100	500 mg/kg 790 mg/kg 0.5 mg/l/4h	oral dermal inhalation: dust/mist

Remarks

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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

Rinse skin with water/shower. 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 mist; Alcohol resistant foam; Dry extinguishing powder; Carbon dioxide (CO₂); Sand;
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

Keep containers cool with water spray. 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. Special danger of slipping by leaking/spilling product.

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.

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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). Absorb the spillage with an inert, dry material. Rinse away the rest with plenty of water.

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

- flammability hazards

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

- 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. Frost.

Consideration of other advice

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

- 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

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Occupational exposure limit values (Workplace Exposure Limits)

Cou ntry	Name of agent	CAS No	Identi-fier	TWA [ppm]	TWA [mg/m ³]	STEL [ppm]	STEL [mg/m ³]	Nota-tion	Source
IE	ethanol	64-17-5	OELV			1,000			S.I. No. 619 of 2001

Notation

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 sub-stance	CAS No	End-point	Threshold level	Protection goal, route of exposure	Used in	Exposure time
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	68411-30-3	DNEL	6 mg/m ³	human, inhalatory	worker (industry)	chronic - local effects
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	68411-30-3	DNEL	1.5 mg/m ³	human, inhalatory	consumer (private households)	chronic - local effects
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	68411-30-3	DNEL	7.6 mg/m ³	human, inhalatory	worker (industry)	chronic - systemic effects
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	68411-30-3	DNEL	119 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	68411-30-3	DNEL	1.3 mg/m ³	human, inhalatory	consumer (private households)	chronic - systemic effects
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	68411-30-3	DNEL	42.5 mg/kg bw/day	human, dermal	consumer (private households)	chronic - systemic effects
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	68411-30-3	DNEL	0.425 mg/kg bw/day	human, oral	consumer (private households)	chronic - systemic effects
Alcohols, C12-14, ethoxylated, sulfates, sodium salts	68891-38-3	DNEL	132 µg/cm ²	human, dermal	worker (industry)	chronic - local effects
Alcohols, C12-14, ethoxylated, sulfates, sodium salts	68891-38-3	DNEL	79 µg/cm ²	human, dermal	consumer (private households)	chronic - local effects
Alcohols, C12-14, ethoxylated, sulfates, sodium salts	68891-38-3	DNEL	411 mg/m ³	human, inhalatory	worker (industry)	chronic - systemic effects
Alcohols, C12-14, ethoxylated, sulfates, sodium salts	68891-38-3	DNEL	5,830 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
Alcohols, C12-14, ethoxylated, sulfates, sodium salts	68891-38-3	DNEL	87.1 mg/m ³	human, inhalatory	consumer (private households)	chronic - systemic effects
Alcohols, C12-14, ethoxylated, sulfates, sodium salts	68891-38-3	DNEL	2,500 mg/kg bw/day	human, dermal	consumer (private households)	chronic - systemic effects

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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
Alcohols, C12-14, ethoxylated, sulfates, sodium salts	68891-38-3	DNEL	25 mg/kg bw/day	human, oral	consumer (private households)	chronic - systemic effects
Ethanol	64-17-5	DNEL	380 mg/m ³	human, inhalatory	worker (industry)	chronic - systemic effects
Ethanol	64-17-5	DNEL	114 mg/m ³	human, inhalatory	consumer (private households)	chronic - systemic effects
Ethanol	64-17-5	DNEL	400 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects

Relevant PNECs of components

Name of substance	CAS No	End-point	Threshold level	Organism	Environmental compartment	Exposure time
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	68411-30-3	PNEC	0.268 mg/l	aquatic organisms	freshwater	short-term (single instance)
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	68411-30-3	PNEC	0.027 mg/l	aquatic organisms	marine water	short-term (single instance)
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	68411-30-3	PNEC	3.43 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	68411-30-3	PNEC	8.1 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	68411-30-3	PNEC	6.8 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	68411-30-3	PNEC	35 mg/kg	terrestrial organisms	soil	short-term (single instance)
Alcohols, C12-14, ethoxylated, sulfates, sodium salts	68891-38-3	PNEC	0.071 mg/l	aquatic organisms	water	intermittent release
Alcohols, C12-14, ethoxylated, sulfates, sodium salts	68891-38-3	PNEC	0.129 mg/l	aquatic organisms	freshwater	short-term (single instance)
Alcohols, C12-14, ethoxylated, sulfates, sodium salts	68891-38-3	PNEC	0.013 mg/l	aquatic organisms	marine water	short-term (single instance)
Alcohols, C12-14, ethoxylated, sulfates, sodium salts	68891-38-3	PNEC	10 g/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
Alcohols, C12-14, ethoxylated, sulfates, sodium salts	68891-38-3	PNEC	4.835 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
Alcohols, C12-14, ethoxylated, sulfates, sodium salts	68891-38-3	PNEC	0.483 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
Alcohols, C12-14, ethoxylated, sulfates, sodium salts	68891-38-3	PNEC	7.5 mg/kg	terrestrial organisms	soil	short-term (single instance)

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Relevant PNECs of components						
Name of substance	CAS No	End-point	Threshold level	Organism	Environmental compartment	Exposure time
sodium salts						
Ethanol	64-17-5	PNEC	0.96 mg/l	aquatic organisms	freshwater	short-term (single instance)
Ethanol	64-17-5	PNEC	0.79 mg/l	aquatic organisms	marine water	short-term (single instance)
Ethanol	64-17-5	PNEC	580 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
Ethanol	64-17-5	PNEC	3.6 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
Ethanol	64-17-5	PNEC	2.9 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
Ethanol	64-17-5	PNEC	0.63 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

None under normal conditions of use.

Hand protection

None under normal conditions of use.

- other protection measures

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

Respiratory protection

None under normal conditions of use. In case of inadequate ventilation wear respiratory protection. Full face mask/half mask/quarter mask (EN 136/140).

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
Colour	clear - green
Odour	characteristic
Melting point/freezing point	not determined
Boiling point or initial boiling point and boiling range	78.3 °C calculated value, referring to a component of the mixture

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Flammability	this material is combustible, but will not ignite readily
Lower and upper explosion limit	LEL: 3.1 vol% / UEL: 27.7 vol% calculated value, referring to a component of the mixture
Flash point	>60 °C
Auto-ignition temperature	250 °C (auto-ignition temperature (liquids and gases)) calculated value, referring to a component of the mixture
Decomposition temperature	no data available
pH (value)	8.4 – 8.8 (in aqueous solution: 100 % (w/w), 20 °C)
Kinematic viscosity	not determined

Solubility

Water solubility	soluble
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Partition coefficient n-octanol/water (log value)	this information is not available
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Vapour pressure	57.26 hPa at 19.6 °C calculated value, referring to a component of the mixture
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Density and/or relative density

Density	1.032 – 1.036 g/cm³ at 20 °C
Relative vapour density	information on this property is not available

Particle characteristics	not relevant (liquid)
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9.2 Other information

Information with regard to physical hazard classes	hazard classes acc. to GHS (physical hazards): not relevant
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Other safety characteristics

Miscibility	Completely miscible with water.
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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

UV-radiation/sunlight. Extremely high or low temperatures.

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10.5 Incompatible materials

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)

Acute toxicity

Shall not be classified as acutely toxic.

Acute toxicity estimate (ATE) of components			
Name of substance	CAS No	Exposure route	ATE
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	68411-30-3	oral	1,080 mg/kg
Alcohols, C12-14 (even numbered), ethoxylated (7-EO)		oral	500 mg/kg
Pyridine-2-thiol 1-oxide, sodium salt	3811-73-2	oral	500 mg/kg
Pyridine-2-thiol 1-oxide, sodium salt	3811-73-2	dermal	790 mg/kg
Pyridine-2-thiol 1-oxide, sodium salt	3811-73-2	inhalation: dust/mist	0.5 mg/l/4h

Acute toxicity of components					
Name of substance	CAS No	Exposure route	Endpoint	Value	Species
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	68411-30-3	oral	LD50	1,080 mg/kg	rat
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	68411-30-3	dermal	LD50	>2,000 mg/kg	rat
Alcohols, C12-14, ethoxylated, sulfates, sodium salts	68891-38-3	oral	LD50	4,100 mg/kg	rat
Ethanol	64-17-5	oral	LD50	10,470 mg/kg	rat
Ethanol	64-17-5	inhalation: vapour	LC50	124.7 mg/l/4h	rat
Pyridine-2-thiol 1-oxide, sodium salt	3811-73-2	oral	LD50	1,208 mg/kg	rat
Pyridine-2-thiol 1-oxide, sodium salt	3811-73-2	dermal	LD50	1,900 mg/kg	rabbit

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/eye irritation

Causes serious eye damage.

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.

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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 $\geq 0,1\%$.

Other information

There is no additional information.

SECTION 12: Ecological information

12.1 Toxicity

Shall not be classified as hazardous to the aquatic environment.

Aquatic toxicity (acute) of components of the mixture					
Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	68411-30-3	LC50	1.67 mg/l	bluegill (Lepomis macrochirus)	96 h
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	68411-30-3	EC50	2.9 mg/l	daphnia magna	48 h
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	68411-30-3	NOEC	0.5 mg/l	algae	96 h
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	68411-30-3	LOEC	1 mg/l	algae	96 h
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	68411-30-3	growth (EbCx) 10%	13.1 mg/l	algae	96 h
Alcohols, C12-14, ethoxylated, sulfates, sodium salts	68891-38-3	ErC50	27.7 mg/l	algae	72 h
Alcohols, C12-14, ethoxylated, sulfates, sodium salts	68891-38-3	LC50	7.1 mg/l	zebra fish (Danio rerio)	96 h
Alcohols, C12-14, ethoxylated, sulfates, sodium salts	68891-38-3	EC50	7.4 mg/l	daphnia magna	48 h
Alcohols, C12-14, ethoxylated, sulfates, sodium salts	68891-38-3	NOEC	0.95 mg/l	green algae (Desmodesmus subspicatus)	72 h
Ethanol	64-17-5	ErC50	22,000 mg/l	algae	96 h
Ethanol	64-17-5	LC50	15.3 g/l	fathead minnow (Pimephales promelas)	96 h
Ethanol	64-17-5	EC50	12.9 g/l	fathead minnow (Pimephales promelas)	96 h
Pyridine-2-thiol 1-oxide, sodium salt	3811-73-2	EC50	0.6 mg/l	aquatic invertebrates	48 h
Pyridine-2-thiol 1-oxide, sodium salt	3811-73-2	ErC50	0.46 mg/l	algae	72 h

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Aquatic toxicity (acute) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Pyridine-2-thiol 1-oxide, sodium salt	3811-73-2	EbC50	0.23 mg/l	algae	72 h
Pyridine-2-thiol 1-oxide, sodium salt	3811-73-2	LC50	7.3 µg/l	rainbow trout (Oncorhynchus mykiss)	96 h
Pyridine-2-thiol 1-oxide, sodium salt	3811-73-2	NOEC	0.18 mg/l	aquatic invertebrates	48 h

Aquatic toxicity (chronic) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	68411-30-3	EC50	1.5 mg/l	daphnia magna	21 d
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	68411-30-3	LC50	1.67 mg/l	daphnia magna	21 d
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	68411-30-3	NOEC	0.23 mg/l	rainbow trout (Oncorhynchus mykiss)	72 d
Alcohols, C12-14, ethoxylated, sulfates, sodium salts	68891-38-3	EC50	>10 g/l	soil microorganisms	16 h
Alcohols, C12-14, ethoxylated, sulfates, sodium salts	68891-38-3	NOEC	≥1.19 mg/l	daphnia magna	21 d
Alcohols, C12-14, ethoxylated, sulfates, sodium salts	68891-38-3	growth (EbCx) 10%	4.4 mg/l	green algae (Desmodium subspicatus)	72 h
Ethanol	64-17-5	LC50	1,806 mg/l	aquatic invertebrates	10 d
Ethanol	64-17-5	ErC50	675 mg/l	algae	4 d
Ethanol	64-17-5	EC50	675 mg/l	green algae	4 d
Ethanol	64-17-5	NOEC	280 mg/l	unknown	7 d
Ethanol	64-17-5	growth (EbCx) 10%	86 mg/l	green algae	4 d
Pyridine-2-thiol 1-oxide, sodium salt	3811-73-2	EC50	1.81 mg/l	microorganisms	3 h
Pyridine-2-thiol 1-oxide, sodium salt	3811-73-2	growth (EbCx) 10%	1 mg/l	microorganisms	3 h

12.2 Persistence and degradability

Not established. The surfactants contained in this preparation comply with the biodegradability criteria as laid down in Regulation (EC) No 648/2004 on detergents.

Degradability of components

Name of substance	CAS No	Process	Degradation rate	Time	Method
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	68411-30-3	carbon dioxide generation	85 %	29 d	
Alcohols, C12-14, ethoxylated, sulfates, sodium salts	68891-38-3	DOC removal	100 %	28 d	
Alcohols, C12-14, ethoxylated, sulfates, sodium salts	68891-38-3	oxygen depletion	≥77 %	28 d	

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Degradability of components					
Name of substance	CAS No	Process	Degradation rate	Time	Method
Ethanol	64-17-5	oxygen depletion	74 %	5 d	
Pyridine-2-thiol 1-oxide, sodium salt	3811-73-2	carbon dioxide generation	2 %	8 d	

12.3 Bioaccumulative potential

Not established.

Bioaccumulative potential of components				
Name of substance	CAS No	BCF	Log KOW	BOD5/COD
Benzenesulfonic acid, C10-13-alkyl derivs., sodium salts	68411-30-3	$\geq 2 - \leq 1,000$	1.4 (23 °C)	
Alcohols, C12-14, ethoxylated, sulfates, sodium salts	68891-38-3		0.3 (23 °C)	
Ethanol	64-17-5		-0.35 (24 °C)	0.6211
Pyridine-2-thiol 1-oxide, sodium salt	3811-73-2		-2.38 (pH value: 7, 20 °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 $\geq 0,1\%$.

12.6 Endocrine disrupting properties

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

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/packages

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	

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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

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	Restriction	No
Wasmiddel 1,2,3-Schoon Wit	this product meets the criteria for classification in accordance with Regulation No 1272/2008/EC	R3	3
Ethanol	flammable / pyrophoric	R40	40
Pyridine-2-thiol 1-oxide, sodium salt	substances in tattoo inks and permanent make-up	R75	75

Legend

- R3
- Shall not be used in:
 - ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ash-trays,
 - tricks and jokes,
 - games for one or more participants, or any article intended to be used as such, even with ornamental aspects,
 - Articles not complying with paragraph 1 shall not be placed on the market.
 - Shall not be placed on the market if they contain a colouring agent, unless required for fiscal reasons, or perfume, or both, if they:
 - can be used as fuel in decorative oil lamps for supply to the general public, and
 - present an aspiration hazard and are labelled with H304.
 - Decorative oil lamps for supply to the general public shall not be placed on the market unless they conform to the European Standard on Decorative oil lamps (EN 14059) adopted by the European Committee for Standardisation (CEN).
 - Without prejudice to the implementation of other Union provisions relating to the classification, labelling and packaging of substances and mixtures, suppliers shall ensure, before the placing on the market, that the following requirements are met:
 - lamp oils, labelled with H304, intended for supply to the general public are visibly, legibly and indelibly marked as follows: "Keep lamps filled with this liquid out of the reach of children"; and, by 1 December 2010, "Just a sip of lamp oil – or even sucking the wick of lamps – may lead to life-threatening lung damage";
 - grill lighter fluids, labelled with H304, intended for supply to the general public are legibly and indelibly marked by 1 December 2010 as follows: "Just a sip of grill lighter fluid may lead to life threatening lung damage";
 - lamps oils and grill lighters, labelled with H304, intended for supply to the general public are packaged in black opaque containers not exceeding 1 litre by 1 December 2010.;
- R40
- Shall not be used, as substance or as mixtures in aerosol dispensers where these aerosol dispensers are intended for supply to the general public for entertainment and decorative purposes such as the following:
 - metallic glitter intended mainly for decoration,
 - artificial snow and frost,
 - 'whoopie' cushions,
 - silly string aerosols,
 - imitation excrement,
 - horns for parties,
 - decorative flakes and foams,
 - artificial cobwebs,
 - stink bombs.
 - Without prejudice to the application of other Community provisions on the classification, packaging and labelling of substances, suppliers shall ensure before the placing on the market that the packaging of aerosol dispensers referred to above is marked visibly, legibly and indelibly with:
 - 'For professional users only'.
 - By way of derogation, paragraphs 1 and 2 shall not apply to the aerosol dispensers referred to Article 8 (1a) of Council Directive 75/324/EEC (2).
 - The aerosol dispensers referred to in paragraphs 1 and 2 shall not be placed on the market unless they conform to the requirements indicated.
- R75
- Shall not be placed on the market in mixtures for use for tattooing purposes, and mixtures containing any such substances shall not be

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Legend

used for tattooing purposes, after 4 January 2022 if the substance or substances in question is or are present in the following circumstances:

(a) in the case of a substance classified in Part 3 of Annex VI to Regulation (EC) No 1272/2008 as carcinogen category 1A, 1B or 2, or germ cell mutagen category 1A, 1B or 2, the substance is present in the mixture in a concentration equal to or greater than 0,00005 % by weight;

(b) in the case of a substance classified in Part 3 of Annex VI to Regulation (EC) No 1272/2008 as reproductive toxicant category 1A, 1B or 2, the substance is present in the mixture in a concentration equal to or greater than 0,001 % by weight;

(c) in the case of a substance classified in Part 3 of Annex VI to Regulation (EC) No 1272/2008 as skin sensitiser category 1, 1A or 1B, the substance is present in the mixture in a concentration equal to or greater than 0,001 % by weight;

(d) in the case of a substance classified in Part 3 of Annex VI to Regulation (EC) No 1272/2008 as skin corrosive category 1, 1A, 1B or 1C or skin irritant category 2, or as serious eye damage category 1 or eye irritant category 2, the substance is present in the mixture in a concentration equal to or greater than:

(i) 0,1 % by weight, if the substance is used solely as a pH regulator;

(ii) 0,01 % by weight, in all other cases;

(e) in the case of a substance listed in Annex II to Regulation (EC) No 1223/2009 (*1), the substance is present in the mixture in a concentration equal to or greater than 0,00005 % by weight;

(f) in the case of a substance for which a condition of one or more of the following kinds is specified in column g (Product type, Body parts) of the table in Annex IV to Regulation (EC) No 1223/2009, the substance is present in the mixture in a concentration equal to or greater than 0,00005 % by weight:

(i) "Rinse-off products";

(ii) "Not to be used in products applied on mucous membranes";

(iii) "Not to be used in eye products";

(g) in the case of a substance for which a condition is specified in column h (Maximum concentration in ready for use preparation) or column i (Other) of the table in Annex IV to Regulation (EC) No 1223/2009, the substance is present in the mixture in a concentration, or in some other way, that does not accord with the condition specified in that column;

(h) in the case of a substance listed in Appendix 13 to this Annex, the substance is present in the mixture in a concentration equal to or greater than the concentration limit specified for that substance in that Appendix.

2. For the purposes of this entry use of a mixture "for tattooing purposes" means injection or introduction of the mixture into a person's skin, mucous membrane or eyeball, by any process or procedure (including procedures commonly referred to as permanent make-up, cosmetic tattooing, micro-blading and micro-pigmentation), with the aim of making a mark or design on his or her body.

3. If a substance not listed in Appendix 13 falls within more than one of points (a) to (g) of paragraph 1, the strictest concentration limit laid down in the points in question shall apply to that substance. If a substance listed in Appendix 13 also falls within one or more of points (a) to (g) of paragraph 1, the concentration limit laid down in point (h) of paragraph 1 shall apply to that substance.

4. By way of derogation, paragraph 1 shall not apply to the following substances until 4 January 2023:

(a) Pigment Blue 15:3 (CI 74160, EC No 205-685-1, CAS No 147-14-8);

(b) Pigment Green 7 (CI 74260, EC No 215-524-7, CAS No 1328-53-6).

5. If Part 3 of Annex VI to Regulation (EC) No 1272/2008 is amended after 4 January 2021 to classify or re-classify a substance such that the substance then becomes caught by point (a), (b), (c) or (d) of paragraph 1 of this entry, or such that it then falls within a different one of those points from the one within which it fell previously, and the date of application of that new or revised classification is after the date referred to in paragraph 1 or, as the case may be, paragraph 4 of this entry, that amendment shall, for the purposes of applying this entry to that substance, be treated as taking effect on the date of application of that new or revised classification.

6. If Annex II or Annex IV to Regulation (EC) No 1223/2009 is amended after 4 January 2021 to list or change the listing of a substance such that the substance then becomes caught by point (e), (f) or (g) of paragraph 1 of this entry, or such that it then falls within a different one of those points from the one within which it fell previously, and the amendment takes effect after the date referred to in paragraph 1 or, as the case may be, paragraph 4 of this entry, that amendment shall, for the purposes of applying this entry to that substance, be treated as taking effect from the date falling 18 months after entry into force of the act by which that amendment was made.

7. Suppliers placing a mixture on the market for use for tattooing purposes shall ensure that, after 4 January 2022, the mixture is marked with the following information:

(a) the statement "Mixture for use in tattoos or permanent make-up";

(b) a reference number to uniquely identify the batch;

(c) the list of ingredients in accordance with the nomenclature established in the glossary of common ingredient names pursuant to Article 33 of Regulation (EC) No 1223/2009, or in the absence of a common ingredient name, the IUPAC name. In the absence of a common ingredient name or IUPAC name, the CAS and EC number. Ingredients shall be listed in descending order by weight or volume of the ingredients at the time of formulation. "Ingredient" means any substance added during the process of formulation and present in the mixture for use for tattooing purposes. Impurities shall not be regarded as ingredients. If the name of a substance, used as ingredient within the meaning of this entry, is already required to be stated on the label in accordance with Regulation (EC) No 1272/2008, that ingredient does not need to be marked in accordance with this Regulation;

(d) the additional statement "pH regulator" for substances falling under point (d)(i) of paragraph 1;

(e) the statement "Contains nickel. Can cause allergic reactions." if the mixture contains nickel below the concentration limit specified in Appendix 13;

(f) the statement "Contains chromium (VI). Can cause allergic reactions." if the mixture contains chromium (VI) below the concentration limit specified in Appendix 13;

(g) safety instructions for use insofar as they are not already required to be stated on the label by Regulation (EC) No 1272/2008.

The information shall be clearly visible, easily legible and marked in a way that is indelible.

The information shall be written in the official language(s) of the Member State(s) where the mixture is placed on the market, unless the Member State(s) concerned provide(s) otherwise.

Where necessary because of the size of the package, the information listed in the first subparagraph, except for point (a), shall be included instead in the instructions for use.

Before using a mixture for tattooing purposes, the person using the mixture shall provide the person undergoing the procedure with the information marked on the package or included in the instructions for use pursuant to this paragraph.

8. Mixtures that do not contain the statement "Mixture for use in tattoos or permanent make-up" shall not be used for tattooing purposes.

9. This entry does not apply to substances that are gases at temperature of 20 °C and pressure of 101,3 kPa, or generate a vapour pressure of more than 300 kPa at temperature of 50 °C, with the exception of formaldehyde (CAS No 50-00-0, EC No 200-001-8).

10. This entry does not apply to the placing on the market of a mixture for use for tattooing purposes, or to the use of a mixture for tattooing purposes, when placed on the market exclusively as a medical device or an accessory to a medical device, within the meaning of Regulation (EU) 2017/745, or when used exclusively as a medical device or an accessory to a medical device, within the same meaning. Where the placing on the market or use may not be exclusively as a medical device or an accessory to a medical device, the requirements of Regulation (EU) 2017/745 and of this Regulation shall apply cumulatively.

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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)

List of pollutants (WFD)				
Name of substance	Name acc. to inventory	CAS No	Listed in	Remarks
Ethanol	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)	
Pyridine-2-thiol 1-oxide, sodium salt	Metals and their compounds		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 648/2004/EC on detergents

Labelling of contents	
Wt%	Constituents
≥15% - <30%	anionic surfactants
≥5% - <15%	non-ionic surfactants
< 5 %	phosphonates soap
	enzymes optical brighteners perfumes (TETRAMETHYL ACETYLOCTAHYDRONAPHTHALENES, CITRONELLOL, AMYL SALICYLATE) preservation agents (SODIUM PYRITHIONE, BENZISOTHIAZOLINONE, PHENOXYETHANOL)

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.

A.I.S.E. Guidance on Detergents Safe Use Mixture Information (SUMI): <https://www.aise.eu/our-activities/regulatory-context/reach/safe-use-information-for-endusers.aspx>

Safety Data Sheet

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

amended by 2020/878/EU

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SECTION 16: Other information

Abbreviations and acronyms

Abbr.	Descriptions of used abbreviations
Acute Tox.	Acute toxicity
ADR	Accord relatif au transport international des marchandises dangereuses par route (Agreement concerning the International Carriage of Dangerous Goods by Road)
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
EbC50	≡ 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
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
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
Flam. Liq.	Flammable liquid
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
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)

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Abbr.	Descriptions of used abbreviations
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
PBT	Persistent, Bioaccumulative and Toxic
PNEC	Predicted No-Effect Concentration
ppm	Parts per million
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)
S.I. No. 619 of 2001	Safety, Health and Welfare at Work (Chemical Agents) Regulations 2001
Skin Corr.	Corrosive to skin
Skin Irrit.	Irritant to skin
Skin Sens.	Skin sensitisation
STEL	Short-term exposure limit
STOT RE	Specific target organ toxicity - repeated 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.

Agreement concerning the International Carriage of Dangerous Goods by Road (ADR). Regulations concerning the International Carriage of Dangerous Goods by Rail (RID). 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
H225	Highly flammable liquid and vapour.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.

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Code	Text
H331	Toxic if inhaled.
H372	Causes damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Disclaimer

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