

**WAXIN**

Creation date 26th November 2024

Revision date Version 3.1

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Substance / mixture WAXIN  
Number R 34488  
UFI SYG2-F30A-F00J-7XGF

**1.2. Relevant identified uses of the substance or mixture and uses advised against**  
**Mixture's intended use**

Finishing agents. For professional use only.

**Mixture uses advised against**

The product should not be used in ways other than those referred in Section 1.

**1.3. Details of the supplier of the safety data sheet****Supplier**

Name or trade name RETECH, s.r.o.  
Address Vackova 1541/4, Praha 5 - Stodůlky, 155 00  
Czech Republic  
Identification number (CRN) 25018205  
VAT Reg No CZ25018205  
Phone +420327596428  
E-mail info@retech.cz  
Web address www.retech.com

**Competent person responsible for the safety data sheet**

Name RETECH, s.r.o.  
E-mail info@retech.cz

**1.4. Emergency telephone number**

European emergency number: 112

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Classification of the mixture in accordance with Regulation (EC) No 1272/2008**

The mixture is classified as dangerous.

Aerosol 1, H222, H229  
Asp. Tox. 1, H304  
Skin Irrit. 2, H315  
Eye Irrit. 2, H319  
STOT SE 3, H336  
Aquatic Chronic 3, H412

**Most serious adverse physico-chemical effects**

Pressurised container: May burst if heated. Extremely flammable aerosol.

**Most serious adverse effects on human health and the environment**

May cause drowsiness or dizziness. May be fatal if swallowed and enters airways. Causes skin irritation.  
Causes serious eye irritation. Harmful to aquatic life with long lasting effects.

**2.2. Label elements****Hazard pictogram****Signal word**

Danger

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**Hazardous substances**

hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane  
 hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2 % aromatics  
 reaction mass of ethylbenzene and xylene  
 hydrocarbons, C9, aromatics

**Hazard statements**

H222 Extremely flammable aerosol.  
 H229 Pressurised container: May burst if heated.  
 H315 Causes skin irritation.  
 H319 Causes serious eye irritation.  
 H336 May cause drowsiness or dizziness.  
 H412 Harmful to aquatic life with long lasting effects.

**Precautionary statements**

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 P211 Do not spray on an open flame or other ignition source.  
 P251 Do not pierce or burn, even after use.  
 P260 Do not breathe mist/vapours/spray.  
 P271 Use only outdoors or in a well-ventilated area.  
 P280 Wear protective gloves/eye protection.  
 P302+P352 IF ON SKIN: Wash with plenty of water and soap.  
 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.  
 P312 Call a POISON CENTER/doctor if you feel unwell.  
 P403 Store in a well-ventilated place.  
 P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C.

**Supplemental information**

Density 0.669 g/cm<sup>3</sup> at 20 °C  
 VOC 83,3 %  
 Dry matter 13,5 % volume  
 VOC limit value cat. B (e) : 840 g/l  
 Max. VOC content in the product in its ready to use condition 557,5 g/l

**2.3. Other hazards**

The mixture does not contain substances with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605. Mixture does not contain any substance meet the criteria for PBT or vPvB in accordance with Annex XIII of Regulation (EC) No. 1907/2006 (REACH) as amended. Does not contain any PMT or vPvM components.

**SECTION 3: Composition/information on ingredients**
**3.2. Mixtures**
**Chemical characterization**

Mixture of substances and additives specified below.

**Mixture contains these hazardous substances and substances with the highest permissible concentration in the working environment**

Identification numbers	Substance name	Content in % weight	Classification according to Regulation (EC) No 1272/2008	Note
CAS: 106-97-8 EC: 203-448-7 Registration number: 01-2119474691-32	butane (containing < 0,1 % butadiene (203-450-8))	25-<50	Flam. Gas 1A, H220 Press. Gas (compressed gas), H280	

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Identification numbers	Substance name	Content in % weight	Classification according to Regulation (EC) No 1272/2008	Note
CAS: 74-98-6 EC: 200-827-9 Registration number: 01-2119486944-21	propane	10-<25	Flam. Gas 1A, H220 Press. Gas (compressed gas), H280	
EC: 921-024-6 Registration number: 01-2119475514-35	hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane	10-<25	Flam. Liq. 2, H225 Asp. Tox. 1, H304 Skin Irrit. 2, H315 STOT SE 3, H336 Aquatic Chronic 2, H411	
EC: 919-857-5 Registration number: 01-2119463258-33	hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2 % aromatics	10-<25	Flam. Liq. 3, H226 Asp. Tox. 1, H304 STOT SE 3, H336 EUH066	
EC: 905-588-0 Registration number: 01-2119488216-32/- 6136-34	reaction mass of ethylbenzene and xylene	2.5-<10	Flam. Liq. 3, H226 Asp. Tox. 1, H304 Acute Tox. 4, H312+H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 STOT RE 2, H373	
CAS: 75-28-5 EC: 200-857-2 Registration number: 01-2119485395-27	isobutane	2.5-<10	Flam. Gas 1A, H220 Press. Gas (compressed gas), H280	
CAS: 68608-26-4 Registration number: 01-2119527859-22	Sulfonic acids, petroleum, sodium salts	1-<2.5	Eye Irrit. 2, H319	
Registration number: 01-2119455851-35	hydrocarbons, C9, aromatics	1-<2.5	Flam. Liq. 3, H226 Asp. Tox. 1, H304 STOT SE 3, H335, H336 Aquatic Chronic 2, H411 EUH066	
CAS: 111-76-2 Registration number: 01-2119475108-36	2-butoxyethanol	0.1-<1	Acute Tox. 4, H302, H312, H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Specific concentration limit: ATE Oral = 1200 mg/kg bw	1

### Notes

1 A substance for which exposure limits are set.

Full text of all classifications and hazard statements is given in the section 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

If any health problems are manifested or if in doubt, inform a doctor and show him information from this safety data sheet.

#### If inhaled

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

#### If on skin

Immediately wash with water and soap and rinse thoroughly.

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**If in eyes**

Rinse eyes immediately with a flow of running water, open the eyelids (also using force if needed); remove contact lenses immediately if worn by the affected person. In the event of issues, find medical advice.

**If swallowed**

DO NOT INDUCE VOMITING! Provide medical treatment.

**4.2. Most important symptoms and effects, both acute and delayed****If inhaled**

May cause drowsiness or dizziness.

**If on skin**

Causes skin irritation.

**If in eyes**

not available

**If swallowed**

not available

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

not available

**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media**

Alcohol-resistant foam, carbon dioxide, powder, water mist.

**Unsuitable extinguishing media**

Water - full jet.

**5.2. Special hazards arising from the substance or mixture**

not available

**5.3. Advice for firefighters**

Use a self-contained breathing apparatus and full-body protective clothing.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

Provide sufficient ventilation. Use personal protective equipment for work. Keep unprotected persons away.

**6.2. Environmental precautions**

Do not allow product to reach sewage system or any water course. Inform respective authorities in case of seepage into water course or sewage system.

**6.3. Methods and material for containment and cleaning up**

Provide sufficient ventilation. Do not flush with water or aqueous cleansing agents.

**6.4. Reference to other sections**

See the Section 7, 8 and 13.

**SECTION 7: Handling and storage****7.1. Precautions for safe handling**

Ensure good ventilation/exhaustion at the workplace. Open and handle receptacle with care. Do not spray on an open flame or other ignition source. The product should be used only in the areas where it is not in contact with open fire and other ignition sources. No smoking. Take precautionary measures against static discharge. Pressurised container: May burst if heated. Keep away from sources of heating, ignition and direct sunlight. Do not pierce or burn, even after use.

**7.2. Conditions for safe storage, including any incompatibilities**

Store in tightly closed containers in cold, dry and well ventilated areas designated for this purpose. Protect from sunlight. Keep container tightly closed. Do not expose to temperatures exceeding 50 °C.

Content	Packaging type	Material of package
500 ml	aerosol can	FE

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Storage class

2B - Aerosols

### 7.3. Specific end use(s)

not available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

The mixture contains substances for which occupational exposure limits are set.

#### European Union

#### Commission Directive 2000/39/EC

Substance name (component)	Type	Value
2-butoxyethanol (CAS: 111-76-2)	OEL 8 hours	98 mg/m <sup>3</sup>
	OEL 8 hours	20 ppm
	OEL 15 minutes	246 mg/m <sup>3</sup>
	OEL 15 minutes	50 ppm

Notes

Skin.

#### DNEL

hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane			
Workers / consumers	Route of exposure	Value	Effect
Consumers	Oral	699 mg/kg bw/day	Chronic effects systemic
Consumers	Dermal	699 mg/kg bw/day	Chronic effects systemic
Workers	Dermal	773 mg/kg bw/day	Chronic effects systemic
Consumers	Inhalation	608 mg/m <sup>3</sup>	Chronic effects systemic
Workers	Inhalation	2035 mg/m <sup>3</sup>	Chronic effects systemic

hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2 % aromatics			
Workers / consumers	Route of exposure	Value	Effect
Workers	Inhalation	871 mg/m <sup>3</sup>	Chronic effects systemic
Workers	Dermal	208 mg/kg bw/day	Chronic effects systemic
Consumers	Inhalation	185 mg/m <sup>3</sup>	Chronic effects systemic
Consumers	Dermal	125 mg/kg bw/day	Chronic effects systemic
Consumers	Oral	125 mg/kg bw/day	Chronic effects systemic

hydrocarbons, C9, aromatics			
Workers / consumers	Route of exposure	Value	Effect
Consumers	Oral	11 mg/kg bw/day	Chronic effects systemic
Consumers	Dermal	11 mg/kg bw/day	Chronic effects systemic
Workers	Dermal	25 mg/kg bw/day	Chronic effects systemic
Consumers	Inhalation	32 mg/m <sup>3</sup>	Chronic effects systemic
Workers	Inhalation	100 mg/m <sup>3</sup>	Chronic effects systemic

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Workers / consumers	Route of exposure	Value	Effect
Consumers	Oral	1.6 mg/kg bw/day	Chronic effects systemic
Consumers	Dermal	108 mg/kg bw/day	Chronic effects systemic
Workers	Dermal	180 mg/kg bw/day	Chronic effects systemic
Workers	Inhalation	289 mg/m <sup>3</sup>	Acute effects local
Consumers	Inhalation	14.8 mg/m <sup>3</sup>	Chronic effects systemic
Workers	Inhalation	77 mg/m <sup>3</sup>	Chronic effects systemic
Workers	Inhalation	289 mg/m <sup>3</sup>	Acute effects systemic
Consumers	Inhalation	174 mg/m <sup>3</sup>	Acute effects systemic
Workers	Inhalation	221 mg/m <sup>3</sup>	Chronic effects local
Consumers	Inhalation	174 mg/m <sup>3</sup>	Chronic effects local

### Sulfonic acids, petroleum, sodium salts

Workers / consumers	Route of exposure	Value	Effect
Consumers	Oral	0.833 mg/kg bw/day	Chronic effects systemic
Consumers	Dermal	1.667 mg/kg bw/day	Chronic effects systemic
Workers	Dermal	3.33 mg/kg bw/day	Chronic effects systemic
Consumers	Inhalation	0.33 mg/m <sup>3</sup>	Chronic effects systemic
Workers	Inhalation	0.66 mg/m <sup>3</sup>	Chronic effects systemic

### PNEC

### reaction mass of ethylbenzene and xylene

Route of exposure	Value
Freshwater environment	0.327 mg/l
Marine water	0.327 mg/l
Freshwater sediment	12.46 mg/kg of dry substance of sediment
Soil (agricultural)	2.31 mg/kg of dry substance of soil
Microorganisms in sewage treatment	6.58 mg/l
Sea sediments	12.46 mg/kg of dry substance of sediment

### 8.2. Exposure controls

Do not store together with food, drink and animal feed. Remove contaminated clothes immediately. Wash your hands thoroughly with water and soap after work and before breaks for a meal and rest. Do not inhale gases and vapours. Do not inhale aerosols. Prevent contact with skin and eyes.

#### Eye/face protection

Tightly sealed goggles.

#### Skin protection

Hand protection: Protective gloves resistant to the product. The final selection of the glove material must be carried out on the basis of penetration times, permeation rates and degradation. Material of gloves: Nitrile rubber, NBR. Recommended thickness of the material: ≥ 0.5 mm. Penetration time of glove material: ≥ 240 min. When choosing appropriate thickness, material and permeability of the gloves, observe recommendations of their particular manufacturer. Observe other recommendations of the manufacturer.

Other protection: protective workwear and footwear.

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### Respiratory protection

In case of inadequate ventilation wear respiratory protection. Filter A2/P2.

### Thermal hazard

Not available.

### Environmental exposure controls

Observe usual measures for protection of the environment, see Section 6.2.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	gas
Colour	brown
Odour	characteristic
Melting point/freezing point	data not available
Boiling point or initial boiling point and boiling range	-44.5 °C
Flammability	Extremely flammable aerosol.
Lower and upper explosion limit	
bottom	0.6 %
upper	10.9 %
Flash point	-97 °C
Auto-ignition temperature	data not available
Decomposition temperature	data not available
pH	non-polar/aprotic
Kinematic viscosity	≤20.5 mm <sup>2</sup> /s at 40 °C
Solubility in water	almost insoluble
Solubility in fats	data not available
Partition coefficient n-octanol/water (log value)	data not available
Vapour pressure	4100 hPa at 20 °C
Density and/or relative density	
Density	0.669 g/cm <sup>3</sup> at 20 °C
Relative vapour density	data not available
Particle characteristics	data not available
Form	aerosol dispenser: spray aerosol
data not available	

### 9.2. Other information

Evaporation rate	data not available
Explosive properties	The product does not have explosive properties but can be explosive when blended with air.
Ignition temperature	>200 °C
Content of organic solvents (VOC)	83.3 %
Solid content (dry matter)	13.5 % volume
VOC limit value	cat. B (e) : 840 g/l
Max. VOC content in the product in its ready to use condition	557.5 g/l
Product is not selfigniting.	

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

not available

### 10.2. Chemical stability

The product is stable under normal conditions.

### 10.3. Possibility of hazardous reactions

Unknown.

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**10.4. Conditions to avoid**

not available

**10.5. Incompatible materials**

not available

**10.6. Hazardous decomposition products**

Unknown.

**SECTION 11: Toxicological information**
**11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008**

No toxicological data is available for the mixture.

**Acute toxicity**

Data for the mixture are not available. Based on the available data, the criteria for classification of the mixture are not met.

2-butoxyethanol					
Route of exposure	Parameter	Value	Exposure time	Species	Sex
Oral	ATE	1200 mg/kg bw			

hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane					
Route of exposure	Parameter	Value	Exposure time	Species	Sex
Oral	LD <sub>50</sub>	>5840 mg/kg		Rat	
Dermal	LD <sub>50</sub>	>2920 mg/kg		Rabbit	
Inhalation	LC <sub>50</sub>	>25 mg/l	4 hours	Rat	

hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2 % aromatics					
Route of exposure	Parameter	Value	Exposure time	Species	Sex
Oral	LD <sub>50</sub>	>5000 mg/kg		Rat	
Dermal	LD <sub>50</sub>	3160 mg/kg		Rabbit	
Inhalation	LC <sub>50</sub>	>5000 mg/l	4 hours	Rat	

hydrocarbons, C9, aromatics					
Route of exposure	Parameter	Value	Exposure time	Species	Sex
Oral	LD <sub>50</sub>	3492 mg/kg		Rat	
Dermal	LD <sub>50</sub>	>3160 mg/kg		Rat	
Inhalation	LD <sub>50</sub>	>6193 mg/l		Rat	

reaction mass of ethylbenzene and xylene					
Route of exposure	Parameter	Value	Exposure time	Species	Sex
Oral	LD <sub>50</sub>	3523 mg/kg		Rat	
Dermal	LD <sub>50</sub>	12126 mg/kg		Rabbit	
Inhalation	LC <sub>50</sub>	29000 mg/l	4 hours	Rat	

Sulfonic acids, petroleum, sodium salts					
Route of exposure	Parameter	Value	Exposure time	Species	Sex
Oral	LD <sub>50</sub>	>6000 mg/kg		Rat	

**Skin corrosion/irritation**

Causes skin irritation. Data for the components of the mixture are not available.



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**Serious eye damage/irritation**

Causes serious eye irritation. Data for the components of the mixture are not available.

**Respiratory or skin sensitisation**

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

**Germ cell mutagenicity**

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

**Carcinogenicity**

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

**Reproductive toxicity**

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

**Toxicity for specific target organ - single exposure**

May cause drowsiness or dizziness. Data for the components of the mixture are not available.

**Toxicity for specific target organ - repeated exposure**

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

**Aspiration hazard**

May be fatal if swallowed and enters airways. Data for the components of the mixture are not available.

**11.2. Information on other hazards**

**Endocrine disrupting properties**

Based on the available data, the criteria for classification of the mixture are not met. Does not contain any components that may cause endocrine disruption for humans.

**Other information**

not available

**SECTION 12: Ecological information**

**12.1. Toxicity**

Harmful to aquatic life with long lasting effects.

**Acute toxicity**

hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane				
Parameter	Value	Exposure time	Species	Environment
LL <sub>50</sub>	11.4 mg/l	96 hours	Fish (Oncorhynchus mykiss)	
EL <sub>50</sub>	3 mg/l	48 hours	Invertebrates (Daphnia magna)	
EL <sub>50</sub>	30-100 mg/l	72 hours	Algae (Pseudokirchneriella subcapitata)	

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### hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2 % aromatics

Parameter	Value	Exposure time	Species	Environment
LL <sub>50</sub>	>1000 mg/l	96 hours	Fish (Oncorhynchus mykiss)	
EL <sub>0</sub>	1000 mg/l	48 hours	Invertebrates (Daphnia magna)	
EL <sub>50</sub>	>1000 mg/l	72 hours	Algae (Pseudokirchneriella subcapitata)	

### hydrocarbons, C9, aromatics

Parameter	Value	Exposure time	Species	Environment
EL <sub>50</sub>	3.2 mg/l	48 hours	Daphnia (Daphnia magna)	
LL <sub>50</sub>	9.2 mg/l	96 hours	Fish (Oncorhynchus mykiss)	

### reaction mass of ethylbenzene and xylene

Parameter	Value	Exposure time	Species	Environment
EC <sub>50</sub>	3.2-9.5 mg/l	48 hours	Daphnia (Daphnia magna)	
LC <sub>50</sub>	8.9-16.4 mg/l	96 hours	Fish (Pimephales promelas)	

### Chronic toxicity

#### hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane

Parameter	Value	Exposure time	Species	Environment
LOEC	0.32 mg/l	21 days	Invertebrates (Daphnia magna)	
NOEC	0.17 mg/l	21 days	Invertebrates (Daphnia magna)	
NOELR	3 mg/l	72 hours	Algae (Pseudokirchneriella subcapitata)	

#### hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2 % aromatics

Parameter	Value	Exposure time	Species	Environment
NOELR	100 mg/l	72 hours	Algae (Pseudokirchneriella subcapitata)	

#### hydrocarbons, C9, aromatics

Parameter	Value	Exposure time	Species	Environment
NOELR	1 mg/l	72 hours	Algae (Pseudokirchneriella subcapitata)	

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**reaction mass of ethylbenzene and xylene**

Parameter	Value	Exposure time	Species	Environment
NOEC	1.3 mg/l		Fish	
NOEC	0.96 mg/l	7 days	Daphnia (Daphnia magna)	
NOEC	0.44 mg/l	72 hours	Algae	
NOEC	16 mg/l	28 days	Bacteria	

**12.2. Persistence and degradability**

The mixture is not biodegradable.

**12.3. Bioaccumulative potential**

No data are available for either the mixture or the components.

**12.4. Mobility in soil**

Based on the available data, the criteria for classification of the mixture are not met. Does not contain any PMT or vPvM components.

**12.5. Results of PBT and vPvB assessment**

Based on the available data, the criteria for classification of the mixture are not met. Does not contain any PBT or vPvB components.

**12.6. Endocrine disrupting properties**

Based on the available data, the criteria for classification of the mixture are not met. Does not contain any components that may cause endocrine disruption in the environment.

**12.7. Other adverse effects**

Ecotoxicological effects: Remark: Toxic for fish

Additional ecological information:

General notes: Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water. Do not allow product to reach ground water, water course or sewage system. Danger to drinking water if even small quantities leak into the ground. Also poisonous for fish and plankton in water bodies. Toxic for aquatic organisms.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods**

Proceed in accordance with valid regulations on waste disposal. Any unused product and contaminated packaging should be put in labelled containers for waste collection and submitted for disposal to a person authorised for waste removal (a specialized company) that is entitled for such activity. Do not empty unused product in drainage systems. The product must not be disposed of with municipal waste. Empty containers may be used at waste incinerators to produce energy or deposited in a dump with appropriate classification.

HP3 "Flammable".

HP 4 'Irritant — skin irritation and eye damage'.

HP 5 'Specific Target Organ Toxicity (STOT)/Aspiration Toxicity'.

HP 14 'Ecotoxic'.

**Waste management legislation**

Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste, as amended. Decision 2000/532/EC establishing a list of wastes, as amended.

**Waste type code**

16 03 05\* organic wastes containing hazardous substances

**Packaging waste type code**

15 01 11\* metallic packaging containing a hazardous solid porous matrix (for example asbestos), including empty pressure containers

(\*) - Hazardous waste according to Directive 2008/98/EC on hazardous waste

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**SECTION 14: Transport information**
**14.1. UN number or ID number**

UN 1950

**14.2. UN proper shipping name**

AEROSOLS

**14.3. Transport hazard class(es)**

2 Gases

**14.4. Packing group**

not relevant

**14.5. Environmental hazards**

not relevant

**14.6. Special precautions for user**

Reference in the Sections 4 to 8.

**14.7. Maritime transport in bulk according to IMO instruments**

not relevant

**Additional information**

Stowage Code: SW1 Protected from sources of heat. SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A. For AEROSOLS with a capacity above 1 litre: Category B. For WASTE AEROSOLS: Category C, Clear of living quarters.

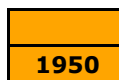
Segregation Code: SG69 For AEROSOLS with a maximum capacity of 1 litre: Segregation as for class 9. Stow "separated from" class 1 except for division 1.4. For AEROSOLS with a capacity above 1 litre: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2.

Hazard identification No.

UN number

Classification code

Safety signs



5F

2.1


**Road transport - ADR**

Limited quantities

1L

Excepted quantities

E0

Tunnel restriction code

(D)

**Railway transport - RID**
**Marine transport - IMDG**

EmS (emergency plan)

F-D, S-U

Marine pollutant

Yes

**SECTION 15: Regulatory information**
**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

Regulation (EC) No. 1907/2006 of the European Parliament and of the Council of 18th December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing the European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No. 793/93 and Commission Regulation (EC) No. 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, as amended. REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. Commission Regulation (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

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### 15.2. Chemical safety assessment

A chemical safety assessment has not been carried out.

#### More information

Directive 2012/18/EU of the European parliament and of the Council - ANNEX I - Hazard categories: P3a FLAMMABLE AEROSOLS.

Qualifying quantity (tonnes) of dangerous substances for the application - of lower-tier requirements: 150 (net). Qualifying quantity (tonnes) of dangerous substances for the application of - upper-tier requirements: 500 (net).

### SECTION 16: Other information

#### A list of standard risk phrases used in the safety data sheet

EUH066	Repeated exposure may cause skin dryness or cracking.
H220	Extremely flammable gas.
H222	Extremely flammable aerosol.
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H229	Pressurised container: May burst if heated.
H280	Contains gas under pressure; may explode if heated.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H312+H332	Harmful in contact with skin or if inhaled.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H373	May cause damage to organs through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

#### Guidelines for safe handling used in the safety data sheet

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211	Do not spray on an open flame or other ignition source.
P251	Do not pierce or burn, even after use.
P260	Do not breathe mist/vapours/spray.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/eye protection.
P302+P352	IF ON SKIN: Wash with plenty of water and soap.
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.
P312	Call a POISON CENTER/doctor if you feel unwell.
P403	Store in a well-ventilated place.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C.

#### Other important information about human health protection

The product must not be - unless specifically approved by the manufacturer/importer - used for purposes other than as per the Section 1. The user is responsible for adherence to all related health protection regulations.

#### Key to abbreviations and acronyms used in the safety data sheet

Acute Tox.	Acute toxicity
ADR	European agreement concerning the international carriage of dangerous goods by road

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Aerosol	Aerosol
Aquatic Chronic	Hazardous to the aquatic environment (chronic)
Asp. Tox.	Aspiration hazard
BCF	Bioconcentration Factor
CAS	Chemical Abstracts Service
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substance and mixtures
EC	Identification code for each substance listed in EINECS
EC <sub>50</sub>	Concentration of a substance when it is affected 50 % of the population
EINECS	European Inventory of Existing Commercial Chemical Substances
EL <sub>0</sub>	Effective Loading for 0 % of the tested organisms
EL <sub>50</sub>	Effective Loading for 50 % of the tested organisms
EmS	Emergency plan
EU	European Union
EuPCS	European Product Categorisation System
Eye Irrit.	Eye irritation
Flam. Gas	Flammable gas
Flam. Liq.	Flammable liquid
IATA	International Air Transport Association
IBC	International Code For The Construction And Equipment of Ships Carrying Dangerous Chemicals
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
INCI	International Nomenclature of Cosmetic Ingredients
ISO	International Organization for Standardization
IUPAC	International Union of Pure and Applied Chemistry
LC <sub>50</sub>	Lethal concentration of a substance in which it can be expected death of 50% of the population
LD <sub>50</sub>	Lethal dose of a substance in which it can be expected death of 50% of the population
LL <sub>50</sub>	Lethal Loading for 50 % of tested organisms
log Kow	Octanol-water partition coefficient
NOEC	No observed effect concentration
NOEL	No observed effect level
NOELR	No Observed Effect Loading Rate
OEL	Occupational Exposure Limits
PBT	Persistent, bioaccumulative and toxic
PMT	Persistent, mobile and toxic
ppm	Parts per million
Press. Gas	Gases under pressure
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Agreement on the transport of dangerous goods by rail
Skin Irrit.	Skin irritation
STOT RE	Specific target organ toxicity - repeated exposure
STOT SE	Specific target organ toxicity - single exposure
UN	Four-figure identification number of the substance or article taken from the UN Model Regulations
UVCB	Substances of unknown or variable composition, complex reaction products or biological materials
VOC	Volatile organic compounds
vPvB	Very persistent and very bioaccumulative
vPvM	Very persistent and very mobile

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### Training guidelines

Inform the personnel about the recommended ways of use, mandatory protective equipment, first aid and prohibited ways of handling the product.

### Recommended restrictions of use

not available

### Information about data sources used to compile the Safety Data Sheet

REGULATION (EC) No. 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL (REACH) as amended. REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. Data from the manufacturer of the substance / mixture, if available - information from registration dossiers.

### The changes (which information has been added, deleted or modified)

The version 3.1 replaces the SDS version from Thursday, 8 December 2022. Changes were made in sections 1, 2, 11, 12, 13, 15 and 16.

### Statement

The safety data sheet provides information aimed at ensuring safety and health protection at work and environmental protection. The provided information corresponds to the current status of knowledge and experience and complies with valid legal regulations. The information should not be understood as guaranteeing the suitability and usability of the product for a particular application.