

RUST CONVERTER SPRAY

Creation date	04th September 2023	Version	1.0
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SECTION 1: Identification of the substance/mixture and of the company/undertaking

- 1.1. Product identifier**
Substance / mixture RUST CONVERTER SPRAY
mixture
Number 1 35452
UFI 3XD3-M1RF-6811-CRNC
- 1.2. Relevant identified uses of the substance or mixture and uses advised against**
Mixture's intended use
Special rust neutralisation product.
Mixture uses advised against
For professional use only.
- 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, H229, H222
Asp. Tox. 1, H304
Skin Irrit. 2, H315
Skin Sens. 1, H317
Eye Dam. 1, H318
STOT SE 3, H336, H335
STOT RE 2, H373

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

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 cause damage to organs through prolonged or repeated exposure. May cause respiratory irritation. Causes skin irritation. May be fatal if swallowed and enters airways. Causes serious eye damage. May cause an allergic skin reaction.

- 2.2. Label elements**

Hazard pictogram**Signal word**

Danger

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Hazardous substances

acetone
 reaction mass of ethylbenzene and xylene
 butan-1-ol
 Phenol, 4,4'-(1-methylethyidene)bis-polymer with 2,2'-[(1-methylethyidene)bis(4,1-phenylene oxymethylene)] bis [oxirane]

Hazard statements

H222	Extremely flammable aerosol.
H229	Pressurised container: May burst if heated.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H373	May cause damage to organs through prolonged or repeated exposure.

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.
P501	Dispose of contents/container to according to applicable regulations.

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.

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: 115-10-6 EC: 204-065-8 Registration number: 01-2119472128-37	dimethyl ether	25-<50	Flam. Gas 1, H220 Press. Gas (liquefied gas), H280	1
Index: 606-001-00-8 CAS: 67-64-1 EC: 200-662-2 Registration number: 01-2119471330-49	acetone	10-<25	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336 EUH066	1

SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006 (REACH) as amended

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Identification numbers	Substance name	Content in % weight	Classification according to Regulation (EC) No 1272/2008	Note
EC: 905-588-0 Registration number: 01-2119488216-32/-6136-34	reaction mass of ethylbenzene and xylene	10-<25	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	
Index: 603-004-00-6 CAS: 71-36-3 EC: 200-751-6 Registration number: 01-2119484630-38	butan-1-ol	3-<10	Flam. Liq. 3, H226 Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335, H336	
CAS: 67-63-0 EC: 200-661-7 Registration number: 01-2119457558-25	propan-2-ol	2,5-<10	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336	
Index: 603-064-00-3 CAS: 107-98-2 EC: 203-539-1 Registration number: 01-2119457435-35	1-methoxy-2-propanol	2,5-<10	Flam. Liq. 3, H226 STOT SE 3, H336	1
CAS: 1401-55-4 EC: 215-753-2	Tannin	2,5-<10	Eye Irrit. 2, H319	
CAS: 25036-25-3 EC: 607-500-3	Phenol, 4,4'-(1-methylethyidene)bis-polymer with 2,2'-[(1-methylethylidene)bis(4,1-phenylene oxymethylene)] bis [oxirane]	1-<2,5	Skin Irrit. 2, H315 Skin Sens. 1, H317 Eye Irrit. 2, H319	
CAS: 78-83-1 EC: 201-148-0 Registration number: 01-2119484609-23	2-methylpropan-1-ol	0,1-<1	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335, H336	
CAS: 1330-20-7 EC: 215-535-7 Registration number: 01-2119488216-32	xylene (mixture of isomers)	0,1-<1	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	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

Do not perform artificial respiration without self-protection (e.g. a mask). If any health problems are manifested or if in doubt, inform a doctor and show him information from this safety data sheet.

If inhaled

Terminate the exposure immediately; move the affected person to fresh air. Take care of your own safety, do not let the affected person walk! Beware of the contaminated clothes. Depending on the situation, call the medical rescue service and ensure medical treatment considering the frequent need of further observation for at least 24 hours.

If on skin

Remove contaminated clothes. Wash the affected area with plenty of water, lukewarm if possible.

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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. No neutralization should be performed in any case! Rinsing should be continued for 10-30 minutes from the inner to the outer eye corner to make sure that the other eye is not involved. Depending on the situation, call medical rescue service or ensure medical treatment as promptly as possible. Everyone must be referred for treatment even if affected only a little.

If swallowed

If the affected person vomits, make sure to prevent inhalation of the vomit (as there is a danger of lung damage after inhalation of these liquids in the airways also in infinitesimal amount). Provide medical treatment considering the frequent need of further observation for at least 24 hours. Bring an original container with the label and the Safety Data Sheet of the given substance as appropriate.

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

May cause respiratory irritation. May cause drowsiness or dizziness.

If on skin

May cause an allergic skin reaction.

If in eyes

Causes serious eye damage.

If swallowed

not available

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

Symptoms of poisoning may manifest after many hours, medical supervision is necessary for 48 hours after the accident.

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

Alcohol-resistant foam, carbon dioxide, powder, water spray jet, 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. Pressurised container: May burst if heated. Extremely flammable aerosol. Remove all ignition sources. Use personal protective equipment for work. Keep unprotected persons away.

6.2. Environmental precautions

Prevent contamination of the soil and entering surface or ground water. Do not allow to enter drains.

6.3. Methods and material for containment and cleaning up

Provide sufficient ventilation. Dispose of the collected material according to the instructions in the section 13. 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. The product should be used only in the areas where it is not in contact with open fire and other ignition sources. No smoking. Protect against direct sunlight. Do not pierce or burn, even after use. Do not spray on an open flame or other ignition source. Take action to prevent static discharges. Use personal protective equipment as per Section 8. Observe valid legal regulations on safety and health protection.

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. Do not expose to temperatures exceeding 50 °C.

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Content	Packaging type	Material of package
400 ml	aerosol can	FE

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	Note
dimethyl ether (CAS: 115-10-6)	OEL 8 hours	1920 mg/m ³	
	OEL 8 hours	1000 ppm	
acetone (CAS: 67-64-1)	OEL 8 hours	1210 mg/m ³	
	OEL 8 hours	500 ppm	
1-methoxy-2-propanol (CAS: 107-98-2)	OEL 8 hours	375 mg/m ³	Skin
	OEL 8 hours	100 ppm	
	OEL 15 minutes	568 mg/m ³	
	OEL 15 minutes	150 ppm	
xylene (mixture of isomers) (CAS: 1330-20-7)	OEL 8 hours	221 mg/m ³	Skin
	OEL 8 hours	50 ppm	
	OEL 15 minutes	442 mg/m ³	
	OEL 15 minutes	100 ppm	

DNEL

1-methoxy-2-propanol					
Workers / consumers	Route of exposure	Value	Effect	Value determination	Source
Consumers	Oral	3.3 mg/kg bw/day	Chronic effects systemic		
Consumers	Dermal	18.1 mg/kg bw/day	Chronic effects systemic		
Workers	Dermal	50.6 mg/kg bw/day	Chronic effects systemic		
Workers	Inhalation	553.5 mg/m ³	Acute effects local		
Consumers	Inhalation	43.9 mg/m ³	Chronic effects systemic		
Workers	Inhalation	369 mg/m ³	Chronic effects systemic		

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acetone					
Workers / consumers	Route of exposure	Value	Effect	Value determination	Source
Consumers	Oral	62 mg/kg bw/day	Chronic effects systemic		
Consumers	Dermal	62 mg/kg bw/day	Chronic effects systemic		
Workers	Dermal	186 mg/kg bw/day	Chronic effects systemic		
Workers	Inhalation	2420 mg/m ³	Acute effects local		
Consumers	Inhalation	200 mg/m ³	Chronic effects systemic		
Workers	Inhalation	1210 mg/m ³	Chronic effects systemic		

butan-1-ol					
Workers / consumers	Route of exposure	Value	Effect	Value determination	Source
Consumers	Oral	3125 mg/kg bw/day	Chronic effects systemic		
Workers	Oral	0.3 mg/kg bw/day	Chronic effects systemic		
Consumers	Dermal	2.7 mg/kg bw/day	Chronic effects systemic		
Workers	Dermal	5.5 mg/kg bw/day	Chronic effects systemic		
Consumers	Inhalation	159.8 mg/m ³	Acute effects systemic		
Workers	Inhalation	214 mg/m ³	Acute effects systemic		
Consumers	Inhalation	0.5 mg/m ³	Chronic effects systemic		
Workers	Inhalation	2.7 mg/m ³	Chronic effects systemic		
Consumers	Inhalation	55 mg/m ³	Chronic effects local		
Workers	Inhalation	310 mg/m ³	Chronic effects local		

propan-2-ol					
Workers / consumers	Route of exposure	Value	Effect	Value determination	Source
Consumers	Oral	26 mg/kg bw/day	Chronic effects systemic		
Consumers	Dermal	319 mg/kg bw/day	Chronic effects systemic		
Workers	Dermal	888 mg/kg bw/day	Chronic effects systemic		
Consumers	Inhalation	89 mg/m ³	Chronic effects systemic		
Workers	Inhalation	500 mg/m ³	Chronic effects systemic		

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reaction mass of ethylbenzene and xylene

Workers / consumers	Route of exposure	Value	Effect	Value determination	Source
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 ³	Acute effects local		
Consumers	Inhalation	14.8 mg/m ³	Chronic effects systemic		
Workers	Inhalation	77 mg/m ³	Chronic effects systemic		
Workers	Inhalation	289 mg/m ³	Acute effects systemic		
Consumers	Inhalation	174 mg/m ³	Acute effects systemic		
Workers	Inhalation	221 mg/m ³	Chronic effects local		
Consumers	Inhalation	174 mg/m ³	Chronic effects local		

PNEC
1-methoxy-2-propanol

Route of exposure	Value	Value determination	Source
Freshwater environment	10 mg/l		
Freshwater sediment	41.6 mg/l		
Soil (agricultural)	2.47 µg/kg		

acetone

Route of exposure	Value	Value determination	Source
Marine water	1.06 mg/l		
Freshwater sediment	30.4 mg/kg of dry substance of sediment		
Soil (agricultural)	29.5 µg/kg		
Sea sediments	3.04 mg/kg of dry substance of sediment		

reaction mass of ethylbenzene and xylene

Route of exposure	Value	Value determination	Source
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		

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8.2. Exposure controls

Follow the usual measures intended for health protection at work and especially for good ventilation. Take off contaminated clothing. Prevent contact with skin and eyes. Do not inhale gases and vapours. Do not inhale aerosols. Wash your hands thoroughly with water and soap after work and before breaks for a meal and rest. Do not store together with food, drink and animal feed.

Eye/face protection

Tightly sealed goggles. EN166 - Personal Eye Protection Standard.

Skin protection

Hand protection: Protective gloves resistant to the product. EN ISO 374-1. Material of gloves: Nitrile rubber, NBR. Recommended thickness of the material: ≥ 0.5 mm. Penetration time of glove material: ≥ 480 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 antistatic clothing.

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	-24.8 °C (dimethylether)
Flammability	Extremely flammable aerosol.
Lower and upper explosion limit	
bottom	1.1 %
upper	20 %
Flash point	-42 °C
Auto-ignition temperature	235 °C
Decomposition temperature	data not available
pH	2.5 (undiluted at 20 °C)
Kinematic viscosity	≤ 20.5 mm ² /s at 40 °C
Solubility in water	insoluble
Partition coefficient n-octanol/water (log value)	data not available
Vapour pressure	3300 hPa at 20 °C
Vapour pressure	6500 hPa at 50 °C
Density and/or relative density	
Density	0.794 g/cm ³ at 20 °C
Relative vapour density	data not available
Particle characteristics	data not available
Form	aerosol dispenser: spray aerosol

9.2. Other information

Explosive properties	The product does not have explosive properties but can be explosive when blended with air.
Content of organic solvents (VOC)	85.5 %
Solid content (dry matter)	10.5 % volume
Max. VOC content in the product in its ready to use condition	676 g/l
Water: 4,4 %.	
Product is not selfigniting.	

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SECTION 10: Stability and reactivity
10.1. Reactivity

Data not available.

10.2. Chemical stability

The product is stable under normal conditions.

10.3. Possibility of hazardous reactions

Unknown.

10.4. Conditions to avoid

Data not available.

10.5. Incompatible materials

Data not available.

10.6. Hazardous decomposition products

Not developed under normal uses.

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.

1-methoxy-2-propanol					
Route of exposure	Parameter	Value	Exposure time	Species	Sex
Oral	LD ₅₀	4016 mg/kg		Rat	
Dermal	LD ₅₀	>2000 mg/kg		Rat	
Inhalation	LC ₅₀	28.8 mg/l	4 hours	Rat	
Inhalation	LC ₅₀	27596 mg/m ³	6 hours	Rat	

acetone					
Route of exposure	Parameter	Value	Exposure time	Species	Sex
Oral	LD ₅₀	5800 mg/kg		Rat	
Dermal	LD ₅₀	7800 mg/kg		Rabbit	
Inhalation	LC ₅₀	>20 mg/l	4 hours	Rat	

butan-1-ol					
Route of exposure	Parameter	Value	Exposure time	Species	Sex
Oral	LD ₅₀	2292 mg/kg		Rat	
Dermal	LD ₅₀	3430 mg/kg		Rabbit	
Inhalation	LC ₅₀	21 mg/l	4 hours	Rat	

Phenol, 4,4'-(1-methylethylidene)bis-polymer with 2,2'-[(1-methylethylidene)bis(4,1-phenylene oxymethylene)] bis[oxirane]					
Route of exposure	Parameter	Value	Exposure time	Species	Sex
Oral	LD ₅₀	>2000 mg/kg		Rat	
Dermal	LD ₅₀	>2000 mg/kg		Rat	

propan-2-ol					
Route of exposure	Parameter	Value	Exposure time	Species	Sex
Oral	LD ₅₀	5840 mg/kg		Rat	
Dermal	LD ₅₀	13900 mg/kg		Rabbit	

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propan-2-ol					
Route of exposure	Parameter	Value	Exposure time	Species	Sex
Inhalation	LC ₅₀	>25 mg/l	4 hours	Rat	

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

Tannin					
Route of exposure	Parameter	Value	Exposure time	Species	Sex
Oral	LD ₅₀	2260 mg/kg bw		Rat	

Skin corrosion/irritation

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

Serious eye damage/irritation

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

Respiratory or skin sensitisation

May cause an allergic skin reaction. Data for the components of the mixture are not available.

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. May cause respiratory irritation. Data for the components of the mixture are not available.

Toxicity for specific target organ - repeated exposure

May cause damage to organs through prolonged or repeated exposure. Data for the components of the mixture are not available.

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

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.

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SECTION 12: Ecological information
12.1. Toxicity

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

Acute toxicity

1-methoxy-2-propanol					
Parameter	Value	Exposure time	Species	Environment	Value determination
LC ₅₀	6812 mg/l	96 hours	Fish		Static system
EC ₅₀	23300 mg/l	48 hours	Daphnia (Daphnia magna)		
LC ₅₀	>1000 mg/l	96 hours	Fish (Oncorhynchus mykiss)		Static system, Toxicity test
LC ₅₀	20800 mg/l	96 hours	Fish (Pimephales promelas)		Static system
LC ₅₀	21100-25900 mg/l	48 hours	Daphnia (Daphnia magna)		Static system

acetone					
Parameter	Value	Exposure time	Species	Environment	Value determination
EC ₅₀	8800 mg/l		Daphnia (Daphnia magna)		
EC ₅₀	8300 mg/l		Fish		

propan-2-ol					
Parameter	Value	Exposure time	Species	Environment	Value determination
LC ₅₀	9714 mg/l	24 hours	Invertebrates (Daphnia magna)		
LC ₅₀	9640 mg/l	96 hours	Fish (Pimephales promelas)		
EC ₅₀	>100 mg/l		Bacteria		

reaction mass of ethylbenzene and xylene					
Parameter	Value	Exposure time	Species	Environment	Value determination
EC ₅₀	3.2-9.5 mg/l	48 hours	Daphnia (Daphnia magna)		
LC ₅₀	8.9-16.4 mg/l	96 hours	Fish (Pimephales promelas)		

Chronic toxicity

propan-2-ol				
Parameter	Value	Exposure time	Species	Environment
LOEC	1000 mg/l	8 days	Algae	

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	

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12.2. Persistence and degradability

The product is not easily biodegradable.

12.3. Bioaccumulative potential

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

12.4. Mobility in soil

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

12.5. Results of PBT and vPvB assessment

Product does not contain any substance meeting the criteria for PBT or vPvB in accordance with the Annex XIII of Regulation (EC) No 1907/2006 (REACH) as amended.

12.6. Endocrine disrupting properties

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.

12.7. Other adverse effects

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.

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.

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.

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

No

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

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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	1950
Classification code	5F
Safety signs	2.1

**Road transport - ADR**

Limited quantities	1 L
Excepted quantities	E0
Transport category	2
Tunnel restriction code	(D)

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

EmS (emergency plan)	F-D, S-U
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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. Product contains reportable explosives precursors: Reporting of suspicious transactions, disappearances and thefts according to Regulation (EU) 2019/1148, Article 9. 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).

15.2. Chemical safety assessment

A chemical safety assessment has not been carried out (mixture).

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**

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.

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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.
H336	May cause drowsiness or dizziness.
H373	May cause damage to organs through prolonged or repeated exposure.
H312+H332	Harmful in contact with skin or if inhaled.

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.
P501	Dispose of contents/container to according to applicable regulations.

A list of additional standard phrases used in the safety data sheet

EUH066	Repeated exposure may cause skin dryness or cracking.
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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

ADR	European agreement concerning the international carriage of dangerous goods by road
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 ₅₀	Concentration of a substance when it is affected 50% of the population
EINECS	European Inventory of Existing Commercial Chemical Substances
EmS	Emergency plan
EU	European Union
EuPCS	European Product Categorisation System
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 ₅₀	Lethal concentration of a substance in which it can be expected death of 50% of the population
LD ₅₀	Lethal dose of a substance in which it can be expected death of 50% of the population
log Kow	Octanol-water partition coefficient

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NOEC	No observed effect concentration
OEL	Occupational Exposure Limits
PBT	Persistent, Bioaccumulative and Toxic
ppm	Parts per million
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Agreement on the transport of dangerous goods by rail
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

Acute Tox.	Acute toxicity
Aerosol	Aerosol
Asp. Tox.	Aspiration hazard
Eye Dam.	Serious eye damage
Flam. Gas	Flammable gas
Flam. Liq.	Flammable liquid
Press. Gas	Gases under pressure
Skin Irrit.	Skin irritation
Skin Sens.	Skin sensitization
STOT RE	Specific target organ toxicity - repeated exposure
STOT SE	Specific target organ toxicity - single exposure

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.

More information

Classification procedure - calculation method.

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.