

**GASKET STRIPPER**

Creation date	26th August 2024	Version	2.1
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**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

- 1.1. Product identifier**  
Substance / mixture GASKET STRIPPER  
Number mixture  
UFI R 34402  
DK82-W3N6-4000-AKCW
- 1.2. Relevant identified uses of the substance or mixture and uses advised against**  
**Mixture's intended use**  
Sealant remover. 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  
Acute Tox. 4, H302  
Asp. Tox. 1, H304  
Skin Irrit. 2, H315  
Eye Irrit. 2, H319  
STOT SE 3, H336  
STOT RE 2, H373  
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**

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

- 2.2. Label elements**  
**Hazard pictogram**



**Signal word**  
Danger

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**Hazardous substances**

butanone  
 1-butylpyrrolidin-2-one  
 xylene (contains ethylbenzene - CAS 100-41-4)  
 hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane

**Hazard statements**

H222	Extremely flammable aerosol.
H229	Pressurised container: May burst if heated.
H302	Harmful if swallowed.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H373	May cause damage to organs through prolonged or repeated exposure.
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 spray.
P273	Avoid release to the environment.
P280	Wear protective gloves/eye protection/face protection.
P301+P312	IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
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.
P330	Rinse mouth.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

**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.

**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
Index: 606-002-00-3 CAS: 78-93-3 EC: 201-159-0 Registration number: 01-2119457290-43	butanone	10-<25	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336 EUH066	1, 2
CAS: 106-97-8 EC: 203-448-7 Registration number: 01-2119474691-32	butane (containing < 0,1 % butadiene (203-450-8))	10-<25	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: 3470-98-2 EC: 222-437-8 Registration number: 01-2120062728-48	1-butylpyrrolidin-2-one	10-<25	Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Irrit. 2, H319	
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: 905-588-0 Registration number: 01-2119488216-32/- 6136-34*	xylene (contains ethylbenzene - CAS 100-41-4)	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 Aquatic Chronic 3, H412	
CAS: 92128-66-0 EC: 921-024-6 Registration number: 01-2119475514-35	hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane	2.5-<10	Flam. Liq. 2, H225 Asp. Tox. 1, H304 Skin Irrit. 2, H315 STOT SE 3, H336 Aquatic Chronic 2, H411	
CAS: 75-28-5 EC: 200-857-2 Registration number: 01-2119485395-27	isobutane	1-<2.5	Flam. Gas 1A, H220 Press. Gas (compressed gas), H280	

### Notes

- 1 A substance for which exposure limits are set.
- 2 Drug precursor

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

### Additional information

\*ES: 905-588-0 xylene (contains ethylbenzene - CAS 100-41-4) => Contains: 98-82-8 cumene (<0,1 %); 108-88-3 toluene (≤2 %)

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

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

#### If inhaled

Terminate the exposure immediately; move the affected person to fresh air. If required, provide artificial respiration. Protect the person against growing cold. Provide medical treatment if irritation, dyspnoea or other symptoms persist. In case of unconsciousness place patient stably in side position for transportation.

#### If on skin

Wash with plenty of soap and water.

#### 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. Rinsing should continue at least for 10 minutes. Provide medical treatment, specialized if possible.

#### If swallowed

DO NOT INDUCE VOMITING! Provide medical treatment.

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**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**

Causes serious eye irritation.

**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. Extremely flammable aerosol. Pressurised container: May burst if heated. Remove all ignition sources. 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**

Dispose of the collected material according to the instructions in the section 13. 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. Do not expose to temperatures exceeding 50 °C.

Content	Packaging type	Material of package
500 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.

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### European Union

### Commission Directive 2000/39/EC

Substance name (component)	Type	Value
butanone (CAS: 78-93-3)	OEL 8 hours	600 mg/m <sup>3</sup>
	OEL 8 hours	200 ppm
	OEL 15 minutes	900 mg/m <sup>3</sup>
	OEL 15 minutes	300 ppm

### DNEL

1-butylpyrrolidin-2-one			
Workers / consumers	Route of exposure	Value	Effect
Workers	Dermal	10 mg/kg bw/day	Chronic effects systemic
Workers	Inhalation	24.1 mg/m <sup>3</sup>	Chronic effects systemic

butanone			
Workers / consumers	Route of exposure	Value	Effect
Workers	Inhalation	600 mg/m <sup>3</sup>	Chronic effects systemic
Workers	Dermal	1161 mg/kg bw/day	Chronic effects systemic
Consumers	Inhalation	106 mg/m <sup>3</sup>	Chronic effects systemic
Consumers	Dermal	412 mg/kg bw/day	Chronic effects systemic
Consumers	Oral	31 mg/kg bw/day	Chronic effects systemic

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

xylene (contains ethylbenzene - CAS 100-41-4)			
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 systemic
Consumers	Inhalation	14.8 mg/m <sup>3</sup>	Chronic effects systemic
Workers	Inhalation	77 mg/m <sup>3</sup>	Chronic effects systemic
Consumers	Inhalation	174 mg/m <sup>3</sup>	Acute effects systemic
Workers	Inhalation	289 mg/m <sup>3</sup>	Acute effects local
Consumers	Inhalation	174 mg/m <sup>3</sup>	Chronic effects local
Workers	Inhalation	221 mg/m <sup>3</sup>	Chronic effects local

### PNEC

xylene (contains ethylbenzene - CAS 100-41-4)	
Route of exposure	Value
Freshwater environment	0.327 mg/l
Marine water	0.327 mg/l

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xylene (contains ethylbenzene - CAS 100-41-4)	
Route of exposure	Value
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

Follow the usual measures intended for health protection at work and especially for good ventilation. Do not store together with food, drink and animal feed. Take off contaminated clothing and wash before reuse. 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. EN166 - Personal Eye Protection Standard.

#### Skin protection

Hand protection: Protective gloves resistant to the product. Material of gloves: Nitrile rubber, NBR. Recommended thickness of the material:  $\geq 0.5$  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 workwear and footwear.

#### 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	liquid
Colour	white
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	0.8 %
butane (containing $< 0,1$ % butadiene (203-450-8))	1.5 %
(CAS: 106-97-8)	
upper	11.5 %
Flash point	-97 °C
Auto-ignition temperature	$> 200$ °C
butane (containing $< 0,1$ % butadiene (203-450-8))	365 °C
(CAS: 106-97-8)	
Decomposition temperature	data not available
pH	non-polar/aprotic
Kinematic viscosity	$\leq 20.5$ 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	8300 hPa at 20 °C
Density and/or relative density	
Density	0.727 g/cm <sup>3</sup> at 20 °C
Relative vapour density	data not available
Particle characteristics	data not available

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Form aerosol dispenser: foam 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.

Content of organic solvents (VOC)

80.0 %

Solid content (dry matter)

20 % volume

Max. VOC content in the product in its ready to use condition

581.6 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.

### 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

Harmful if swallowed.

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Route of exposure	Parameter	Value	Exposure time	Species	Sex
Dermal	ATE	7700 mg/kg			
Inhalation	ATE	77 mg/l			
Oral	ATE	>1400-9333 mg/kg		Rat	

1-butylpyrrolidin-2-one					
Route of exposure	Parameter	Value	Exposure time	Species	Sex
Oral	LD <sub>50</sub>	>300-2000 mg/kg		Rat	
Oral	NOAEL	500 mg/kg/24h		Rat	
Dermal	LD <sub>50</sub>	>2000 mg/kg		Rat	

butanone					
Route of exposure	Parameter	Value	Exposure time	Species	Sex
Oral	LD <sub>50</sub>	>2193 mg/kg		Rat	
Dermal	LD <sub>50</sub>	>5000 mg/kg		Rabbit	
Inhalation	LD <sub>50</sub>	34 mg/l	4 hours	Rat	

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### 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	

### xylene (contains ethylbenzene - CAS 100-41-4)

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	

#### Skin corrosion/irritation

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

#### 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

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.

## SECTION 12: Ecological information

### 12.1. Toxicity

Harmful to aquatic life with long lasting effects.



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### Acute toxicity

1-butylpyrrolidin-2-one				
Parameter	Value	Exposure time	Species	Environment
EC <sub>50</sub>	>160 mg/l	72 hours	Algae (Pseudokirchneriella subcapitata)	
LC <sub>50</sub>	>100 mg/l	96 hours	Fish (Oncorhynchus mykiss)	
EC <sub>50</sub>	>100 mg/l	48 hours	Daphnia (Daphnia magna)	

butanone				
Parameter	Value	Exposure time	Species	Environment
EC <sub>50</sub>	308 mg/l	48 hours	Invertebrates (Daphnia magna)	
LC <sub>50</sub>	2993 mg/l	96 hours	Fish (Pimephales promelas)	

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)	
NOELR	3 mg/l	72 hours	Algae (Pseudokirchneriella subcapitata)	

xylene (contains ethylbenzene - CAS 100-41-4)				
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

1-butylpyrrolidin-2-one				
Parameter	Value	Exposure time	Species	Environment
NOEC	82 mg/l	28 days	Fish (Pimephales promelas)	

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)	

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**xylene (contains ethylbenzene - CAS 100-41-4)**

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 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. 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

**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

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**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**

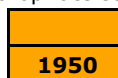
Stowage Code: SW1 Protected from sources of heat. SW2 Clear of living quarters. Segregation Code: SG69 For AEROSOLS with a maximum capacity of 1 litre: Segregation as for class 9. Stow "separated from" class 1 except for division 1.4. For AEROSOLS with a capacity above 1 litre: Segregation as for the 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

Excepted quantities

Tunnel restriction code

1L

E0

(D)

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

EmS (emergency plan)

F-D, S-U

**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. REGULATION (EC) No 648/2004 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 31 March 2004 on detergents, 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).

**Additional information in accordance with Regulation (EC) no. 648/2004 on detergents, as amended**

&gt;=30 % aliphatic hydrocarbons, 5-&lt;15 % aromatic hydrocarbons

**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.

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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+H332	Harmful in contact with skin or if inhaled.
H315	Causes skin irritation.
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.
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 spray.
P273	Avoid release to the environment.
P280	Wear protective gloves/eye protection/face protection.
P301+P312	IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
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.
P330	Rinse mouth.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

### 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
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>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

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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 K <sub>ow</sub>	Octanol-water partition coefficient
NOAEL	No observed adverse effect level
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
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

### 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 2.1 replaces the SDS version from Monday, 22 February 2021. Changes were made in sections 1, 2, 3, 8, 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.