

**TOP GASKET RED**

Creation date	06th October 2022	Version	1.0
Revision date			

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

- 1.1. Product identifier** TOP GASKET RED  
Substance / mixture mixture  
Number 1 35229  
UFI Y45T-UVYD-G30K-SWDX
- 1.2. Relevant identified uses of the substance or mixture and uses advised against**  
**Mixture's intended use**  
Barrier (Sealant).  
**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, H222, H229

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

**Most serious adverse physico-chemical effects**

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

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



**Signal word**  
Danger

**Hazard statements**

H222 Extremely flammable aerosol.  
H229 Pressurised container: May burst if heated.

**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.

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P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C.

**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: 4253-34-3 EC: 224-221-9 Registration number: 21-2119987097-22	Methylsilanetriyl-triacetate	1-<5	Acute Tox. 4, H302 Skin Corr. 1C, H314 Eye Dam. 1, H318 EUH014	
Index: 601-003-00-5 CAS: 74-98-6 EC: 200-827-9 Registration number: 01-2119486944-21	propane	1-<5	Flam. Gas 1, H220 Press. Gas (liquefied gas), H280	
Index: 601-004-00-0 CAS: 106-97-8 EC: 203-448-7 Registration number: 01-2119474691-32	butane	1-<5	Flam. Gas 1, H220 Press. Gas (liquefied gas), H280	
Index: 601-004-00-0 CAS: 75-28-5 EC: 200-857-2 Registration number: 01-2119485395-27	isobutane	1-<5	Flam. Gas 1A, H220 Press. Gas (liquefied gas), H280	

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**

Take care of your own safety. If any health problems are manifested or if in doubt, inform a doctor and show him information from this safety data sheet. In the event of unconsciousness, do not provide food by mouth.

**If inhaled**

Terminate the exposure immediately; move the affected person to fresh air. Provide medical treatment if irritation, dyspnoea or other symptoms persist.

**If on skin**

Remove contaminated clothes. Wash with plenty of soap and water. Provide medical treatment if skin irritation persists.

**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 help.

**If swallowed**

Rinse out the mouth with water and provide 2-5 dL of water. In the event of issues, find medical help.

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

Not expected.

**If on skin**

Not expected.

**If in eyes**

When intruding eyes, it can evoke irritation.

**If swallowed**

Not expected.

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

Symptomatic treatment.

**More information**

Symptoms of poisoning may manifest after many hours.

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

Foam, carbon dioxide, powder, water mist.

**Unsuitable extinguishing media**

Water - full jet.

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

In the event of fire, carbon monoxide, carbon dioxide and other toxic gases may arise. Pressurised container: May burst if heated.

**5.3. Advice for firefighters**

Do not breathe smoke. Use a self-contained breathing apparatus and full-body protective clothing. Closed containers with the product near the fire should be cooled with water. Do not allow run-off of contaminated fire extinguishing material to enter drains or surface and ground water. Collect contaminated water used for firefighting separately. Dispose of contaminated extinguishing water and remains after the fire in accordance with the official regulations.

**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. Avoid the formation or spread of mists in the air. Prevent contact with skin and eyes. Use personal protective equipment as per Section 8. Danger of slipping on spilled product.

**6.2. Environmental precautions**

Stop leak if safe to do so. Prevent contamination of the soil and entering surface or ground water.

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

Place the product mechanically in an appropriate manner. Dispose of the collected material according to the instructions in the section 13.

**6.4. Reference to other sections**

See the Section 7, 8 and 13.

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

Use only outdoors or in a well-ventilated area. Protect against direct sunlight. Do not pierce or burn, even after use. Prevent contact with skin and eyes. Use personal protective equipment as per Section 8. Do not eat, drink or smoke when using this product. Remove contaminated clothing and protective equipment before entering eating areas. Wash hands and exposed parts of the body thoroughly after handling. Do not store together with food, drink and animal feed. 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. Keep only in original packaging. Protect from sunlight. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take action to prevent static discharges.

Content	Packaging type	Material of package
200 ml	aerosol can	

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**7.3. Specific end use(s)**  
not available

**SECTION 8: Exposure controls/personal protection**

**8.1. Control parameters**

The mixture contains no substances for which occupational exposure limits are set.

**DNEL**

Methylsilanetriyl-triacetate

Workers / consumers	Route of exposure	Value	Effect	Value determination	Source
Consumers	Oral	1 mg/kg bw/day	Systemic chronic effects		
Consumers	Inhalation	5.1 mg/m <sup>3</sup>	Local chronic effects		
Consumers	Inhalation	6.3 mg/m <sup>3</sup>	Systemic chronic effects		
Consumers	Dermal	7.2 mg/kg bw/day	Systemic chronic effects		
Workers	Inhalation	31 mg/m <sup>3</sup>	Local chronic effects		
Workers	Inhalation	25 mg/m <sup>3</sup>	Systemic chronic effects		
Workers	Dermal	14.5 mg/kg bw/day	Systemic chronic effects		

**PNEC**

Methylsilanetriyl-triacetate

Route of exposure	Value	Value determination	Source
Freshwater environment	1 mg/l		
Seawater	0.1 mg/l		
Freshwater sediment	3.4 mg/kg		
Sea sediments	0.34 mg/kg		
Water (intermittent release)	10 mg/l		
Microorganisms in wastewater treatment plants	10 mg/l		
Soil (agricultural)	0.145 mg/kg		

**8.2. Exposure controls**

Follow the usual measures intended for health protection at work and especially for good ventilation. If exposure limits cannot be observed in this mode, suitable protection of airways must be used. Do not eat, drink and smoke during work. Remove contaminated clothing and protective equipment before entering eating areas. 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**

Protective glasses with side shields. EN166 - Personal Eye Protection Standard.

**Skin protection**

Hand protection: Protective gloves resistant to the product. EN ISO 374-1. Material of gloves: Butyl rubber. Chloroprene rubber. Nitrile rubber. 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. Use barrier creams for skin protection. Other protection: protective workwear and footwear.

**Respiratory protection**

Under regular circumstances it is not necessary.

**Thermal hazard**

Not available.

**Environmental exposure controls**

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

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**SECTION 9: Physical and chemical properties**

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

Physical state	liquid
Colour	red
Odour	characteristic
Melting point/freezing point	data not available
Boiling point or initial boiling point and boiling range	data not available
Flammability	data not available
Lower and upper explosion limit	data not available
Flash point	data not available
Auto-ignition temperature	data not available
Decomposition temperature	data not available
pH	data not available
Kinematic viscosity	data not available
Viscosity	2 mm at 20 °C (24 hod.; relativní vlhkost 55 %)
Solubility in water	insoluble
Solubility in fats	data not available
Partition coefficient n-octanol/water (log value)	data not available
Vapour pressure	data not available
Density and/or relative density	
Density	1,17 g/cm <sup>3</sup>
Form	cream / paste
data not available	

**9.2. Other information**

Evaporation rate	data not available
Explosive properties	The product does not have explosive properties.

**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**

Heat. Moisture. Protect against flames, sparks, overheating. Pressurised container: May burst if heated.

**10.5. Incompatible materials**

Protect against strong acids, bases and oxidizing agents.

**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**

Based on available data the classification criteria are not met.

Methylsilanetriyl-triacetate

Route of exposure	Parameter	Method	Value	Exposure time	Species	Sex	Value determination
Oral	LD <sub>50</sub>	OECD 401	1600 mg/kg		Rat		

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Route of exposure	Parameter	Method	Value	Exposure time	Species	Sex	Value determination
Oral	ATE		>2000 mg/kg				Calculation of value

**Skin corrosion/irritation**

Based on available data the classification criteria are not met.

**Serious eye damage/irritation**

Based on available data the classification criteria are not met.

**Respiratory or skin sensitisation**

Based on available data the classification criteria are not met.

**Germ cell mutagenicity**

Based on available data the classification criteria are not met.

**Carcinogenicity**

Based on available data the classification criteria are not met.

**Reproductive toxicity**

Based on available data the classification criteria are not met.

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

Based on available data the classification criteria are not met.

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

Based on available data the classification criteria are not met.

**Aspiration hazard**

Based on available data the classification criteria are not met.

**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**
**Acute toxicity**

butane

Parameter	Method	Value	Exposure time	Species	Environment	Value determination
LC <sub>50</sub>		49.9 mg/l	96 hour	Fishes		
EC <sub>50</sub>		19.37 mg/l	96 hour	Algae		

isobutane

Parameter	Method	Value	Exposure time	Species	Environment	Value determination
LC <sub>50</sub>		49.9 mg/l	96 hour	Fishes		
EC <sub>50</sub>		19.37 mg/l	96 hour	Algae		

Methylsilanetriyl-triacetate

Parameter	Method	Value	Exposure time	Species	Environment	Value determination
LC <sub>50</sub>		>500 mg/l	96 hour	Fishes (Branchydanio rerio)		Analogous approach
EC <sub>50</sub>		>500 mg/l	48 hour	Daphnia (Daphnia magna)		Analogous approach
EC <sub>50</sub>		>500 mg/l	72 hour	Algae (Pseudokirchneriella subcapitata)		
EC 10	OECD 209	>100 mg/l	3 hour	Bacteria	Activated sludge	Analogous approach

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propane

Parameter	Method	Value	Exposure time	Species	Environment	Value determination
LC <sub>50</sub>		49.9 mg/l	96 hour	Fishes		
EC <sub>50</sub>		19.37 mg/l	96 hour	Algae		

**12.2. Persistence and degradability**

**Biodegradability**

Methylsilanetriyl-triacetate

Parameter	Value	Exposure time	Environment	Result
				Biodegradable

not available

**12.3. Bioaccumulative potential**

Not available.

**12.4. Mobility in soil**

Not available.

**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**

not available

**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. Suitable method of disposal: incineration in hazardous waste incineration plant.

**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**

08 04 09 waste adhesives and sealants containing organic solvents or other hazardous substances \*

(\* ) - 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**

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

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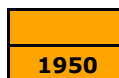
**Additional information**

Hazard identification No.

UN number

Classification code

Safety signs



5F

2.1

**Road transport - ADR**

Limited quantities

Excepted quantities

Transport category

Tunnel restriction code

1 L

E0

2

(D)

**Railway transport - RID****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 of 16th December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No. 1907/2006, as amended.

**15.2. Chemical safety assessment**

not available

**SECTION 16: Other information****A list of standard risk phrases used in the safety data sheet**

H220	Extremely flammable gas.
H222	Extremely flammable aerosol.
H229	Pressurised container: May burst if heated.
H280	Contains gas under pressure; may explode if heated.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.

**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.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C.

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

EUH014	Reacts violently with water.
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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



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CAS	Chemical Abstracts Service
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substance and mixtures
DNEL	Derived no-effect level
EC <sub>50</sub>	Concentration of a substance when it is affected 50% of the population
EINECS	European Inventory of Existing Commercial Chemical Substances
EmS	Emergency plan
ES	Identification code for each substance listed in EINECS
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
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
log Kow	Octanol-water partition coefficient
MARPOL	International Convention for the Prevention of Pollution from Ships
OEL	Occupational Exposure Limits
PBT	Persistent, Bioaccumulative and Toxic
PNEC	Predicted no-effect concentration
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
Eye Dam.	Serious eye damage
Flam. Gas	Flammable gas
Press. Gas	Gases under pressure
Skin Corr.	Skin corrosion

**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.

**Statement**

# SAFETY DATA SHEET

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

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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.