

# Safety Data Sheet

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



**Trade name :** TURMOSYNTHOIL 75 TF - Spray  
**Revision date :** 29.01.2024  
**Print date :** 29.01.2024

**Version (Revision) :** 2.4.0 (2.3.0)

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

### 1.1 Product identifier

TURMOSYNTHOIL 75 TF - Spray  
UFI: 9UV5-AG6K-4503-ND12

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

**Relevant identified uses**

**Product Categories [PC]**

PC24 - Lubricants, greases, release products

### 1.3 Details of the supplier of the safety data sheet

**Supplier (manufacturer/importer/only representative/downstream user/distributor)**

Lubricant Consult GmbH

**Street :** Gutenbergstraße 13

**Postal code/city :** 63477 MAINTAL (GERMANY)

**Telephone :** +49 6109/7650-0

**Telefax :** +49 6109/7650-51

**E-mail :** msds-request@lubcon.com

**Information contact :** Environment, Health & Safety: Dr. Rüdiger Hofmann

US Distributor  
Fuchs Lubricants Co.  
17050 Lathrop Avenue  
Harvey, IL 60426  
(708) 333-8900  
(800) 255-3924 24 hrs  
Emergency

### 1.4 Emergency telephone number

+49 6109/7650-0  
Monday to Friday 8:00 AM to 4:00 PM (CET)

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

**Classification according to Regulation (EC) No 1272/2008 [CLP]**

Aerosol 1 ; H222 - Aerosols : Category 1 ; Extremely flammable aerosol.

Aerosol 1 ; H229 - Aerosols : Category 1 ; Pressurised container: May burst if heated.

### 2.2 Label elements

**Labelling according to Regulation (EC) No. 1272/2008 [CLP]**

**Hazard pictograms**



Flame (GHS02)

**Signal word**

Danger

**Hazard statements**

H222 Extremely flammable aerosol.

H229 Pressurised container: May burst if heated.

**Precautionary statements**

P102 Keep out of reach of children.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

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P211 Do not spray on an open flame or other ignition source.  
P243 Take action to prevent static discharges.  
P251 Do not pierce or burn, even after use.  
P260 Do not breathe dust/fume/gas/mist/vapours/spray.  
P271 Use only outdoors or in a well-ventilated area.  
P403+P235 Store in a well-ventilated place. Keep cool.  
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

### Supplemental Hazard information (EU)

EUH018 In use may form flammable/explosive vapour-air mixture.

### 2.3 Other hazards

None

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

#### Hazardous ingredients

Butane ; REACH registration No. : 01-2119474691-32-xxxx ; EC No. : 203-448-7; CAS No. : 106-97-8

Weight fraction :  $\geq 10 - < 50$  %

Classification 1272/2008 [CLP] : Flam. Gas 1 ; H220 Press. Gas (Liq.) ; H280

Propane ; REACH registration No. : 01-2119486944-21-xxxx ; EC No. : 200-827-9; CAS No. : 74-98-6

Weight fraction :  $\geq 10 - < 50$  %

Classification 1272/2008 [CLP] : Flam. Gas 1 ; H220 Press. Gas (Liq.) ; H280

Isobutane ; REACH registration No. : 01-2119485395-27-xxxx ; EC No. : 200-857-2; CAS No. : 75-28-5

Weight fraction :  $\geq 1 - < 5$  %

Classification 1272/2008 [CLP] : Flam. Gas 1 ; H220 Press. Gas (Liq.) ; H280

#### Further ingredients

Ester oil

PTFE powder (Polytetrafluoroethylene)

Additives not to declare

#### Additional information

Full text of H- and EUH-phrases: see section 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General information

When in doubt or if symptoms are observed, get medical advice.

#### Following inhalation

Remove casualty to fresh air and keep warm and at rest. If breathing is irregular or stopped, administer artificial respiration. In case of respiratory tract irritation, consult a physician.

#### In case of skin contact

Remove contaminated, saturated clothing immediately. Wash immediately with: Water and soap In case of skin irritation, consult a physician.

#### After eye contact

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist. In case of eye irritation consult an ophthalmologist.

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## After ingestion

No information available.

## 4.2 Most important symptoms and effects, both acute and delayed

No information available.

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

None

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

Dry extinguishing powder. Carbon dioxide (CO<sub>2</sub>). ABC-powder. BC-powder. Foam. Water spray jet.

#### Unsuitable extinguishing media

Strong water jet. High power water jet.

### 5.2 Special hazards arising from the substance or mixture

Danger of bursting container.

### 5.3 Advice for firefighters

Use suitable breathing apparatus. Use water spray jet to protect personnel and to cool endangered containers.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

None

### 6.2 Environmental precautions

Do not allow to enter into surface water or drains.

### 6.3 Methods and material for containment and cleaning up

Soak up inert absorbent and dispose as waste requiring special attention.

#### Other information

Remove all sources of ignition. Be aware that gases can spread at ground level (heavier than air) and pay attention to the wind direction. Provide adequate ventilation.

### 6.4 Reference to other sections

None

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling



When using do not eat, drink, smoke, sniff. Do not breathe gas/fumes/vapour/spray.

### 7.2 Conditions for safe storage, including any incompatibilities

#### Requirements for storage rooms and vessels

Keep the packing dry and well sealed to prevent contamination and absorption of humidity. Ensure adequate ventilation of the storage area. Keep/Store only in original container. Heating causes rise in pressure with risk of bursting.

#### Hints on joint storage

Storage class : 2B

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**Storage class (TRGS 510) :** 2B

**Keep away from**

No information available.

## 7.3 Specific end use(s)

None

## SECTION 8: Exposure controls/personal protection

Keep away from sources of ignition - No smoking.

### 8.1 Control parameters

#### Occupational exposure limit values

Butane ; CAS No. : 106-97-8

Limit value type (country of origin) : TRGS 900 ( D )

Limit value : 1000 ppm / 2400 mg/m<sup>3</sup>

Peak limitation : 4(II)

Version : 01.09.2012

Propane ; CAS No. : 74-98-6

Limit value type (country of origin) : TRGS 900 ( D )

Limit value : 1000 ppm / 1800 mg/m<sup>3</sup>

Peak limitation : 4(II)

Version : 01.09.2012

Isobutane ; CAS No. : 75-28-5

Limit value type (country of origin) : TRGS 900 ( D )

Limit value : 1000 ppm / 2400 mg/m<sup>3</sup>

Peak limitation : 4(II)

Version : 01.09.2012

### 8.2 Exposure controls

#### Personal protection equipment

##### Eye/face protection

Eye protection: not required. Avoid: Eye contact.

##### Recommended eye protection articles

DIN EN 166

##### Skin protection

###### Hand protection

Hand protection is not required

**By long-term hand contact :** Wear suitable gloves.

**Suitable material :** PE (Polyethylene). NR (natural rubber, natural latex). CR (polychloroprene, chloroprene rubber). NBR (Nitrile rubber).

**Breakthrough time (maximum wearing time) :** PE < 30 min. ; NR < 10 min.; CR > 480 min.; NBR > 480 min.; BR > 120 min.

**Thickness of the glove material :** min. 0,38 mm

**Recommended glove articles :** EN ISO 374; DIN EN 420 Uvex. KCL, MAPA. Or comparable articles from other companies.

##### Respiratory protection

No special measures are necessary. Avoid: Inhalation of vapours or spray/mists

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

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Colour : white

## Safety relevant basis data

Physical state :			Aerosol
Initial boiling point and boiling range :	( 1013 hPa )	=	-44 °C
Decomposition temperature :	( 1013 hPa )	>	220 °C
Flash point :	( 1013 hPa )	=	-97 °C
Lower explosion limit :		=	1,5 Vol-%
Upper explosion limit :		=	12 Vol-%
Vapour pressure :	( 20 °C )	=	4100 hPa
Vapour pressure :	( 50 °C )	=	8000 hPa
Density :	( 20 °C )	approx.	0,95 g/cm <sup>3</sup>

## 9.2 Other information

None

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No information available.

### 10.2 Chemical stability

The product is stable.

### 10.3 Possibility of hazardous reactions

In case of warming: Danger of explosion.

### 10.4 Conditions to avoid

Keep away from sources of heat (e.g. hot surfaces), sparks and open flames.

### 10.5 Incompatible materials

Material, oxygen-rich, oxidizing. Oxidizing agent

### 10.6 Hazardous decomposition products

Gases/vapours, harmful.

## SECTION 11: Toxicological information

### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

By analogy:

#### Acute effects

##### Acute oral toxicity

Parameter :	LD50
Exposure route :	Oral
Species :	Rat
Effective dose :	> 15000 mg/kg

##### Acute dermal toxicity

Parameter :	LD50
Exposure route :	Dermal
Species :	Rabbit
Effective dose :	> 5000 mg/kg

##### Acute inhalation toxicity

Parameter :	LC50 ( Butane ; CAS No. : 106-97-8 )
Exposure route :	Inhalation
Species :	Rat
Effective dose :	659 g/m <sup>3</sup>

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Parameter : LC50 ( Butane ; CAS No. : 106-97-8 )  
Exposure route : Inhalation  
Species : Mouse  
Effective dose : 680 g/m<sup>3</sup>  
Parameter : LC50 ( Isobutane ; CAS No. : 75-28-5 )  
Exposure route : Inhalation  
Species : Rat  
Effective dose : > 20 mg/l  
Exposure time : 4 h

## Irritant and corrosive effects

### Primary irritation to the skin

Not an irritant.

## 11.2 Information on other hazards

No information available.

## SECTION 12: Ecological information

### 12.1 Toxicity

No information available.

### 12.2 Persistence and degradability

Product is partially biodegradable. Significant residues remain. Readily eliminated from water

#### Biodegradation

Overall evaluation on the mixture:

### 12.3 Bioaccumulative potential

No information available.

### 12.4 Mobility in soil

No information available.

### 12.5 Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

### 12.6 Endocrine disrupting properties

Endocrine disrupting potential: None known.

### 12.7 Other adverse effects

This product does not contain nanoparticles.

### 12.8 Overall evaluation

The product is biodegradable.

## SECTION 13: Disposal considerations

Dispose according to legislation. Completely emptied packages can be recycled. The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

### 13.1 Waste treatment methods

#### Product/Packaging disposal

**Waste codes/waste designations according to EWC/AVV**

#### Waste code product

16 05 04 - Gases in pressure containers (including halons) containing hazardous substances

## SECTION 14: Transport information

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## 14.1 UN number or ID number

UN 1950

## 14.2 UN proper shipping name

Land transport (ADR/RID)

AEROSOLS

Sea transport (IMDG)

AEROSOLS

Air transport (ICAO-TI / IATA-DGR)

AEROSOLS, FLAMMABLE

## 14.3 Transport hazard class(es)

Land transport (ADR/RID)

Class(es) : 2  
Classification code : 5F  
Hazard identification number (Kemler No.) : 23  
Tunnel restriction code : D  
Special provisions : LQ 1 | E 0  
Hazard label(s) : 2.1

Sea transport (IMDG)

Class(es) : 2.1  
EmS-No. : F-D / S-U  
Special provisions : LQ 1 | E 0  
Hazard label(s) : 2.1

Air transport (ICAO-TI / IATA-DGR)

Class(es) : 2.1  
Special provisions : E 0  
Hazard label(s) : 2.1

## 14.4 Packing group

## 14.5 Environmental hazards

Land transport (ADR/RID) : No  
Sea transport (IMDG) : No  
Air transport (ICAO-TI / IATA-DGR) : No

## 14.6 Special precautions for user

None

## 14.7 Maritime transport in bulk according to IMO instruments

No transport as bulk according to IBC Code.

## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulations

Restrictions of occupation

Not relevant

Störfallverordnung

Subject to StörfallVO (2017): Column 1.2.3.1 No. P3a aerosols with combustible gas, threshold value 150,000 kg (net).

Emission control act (TA-Luft)

Weight fraction (Number 5.2.5. I) : > 50 %

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### Water hazard class (WGK)

Class : nwg (Non-hazardous to water) Classification according to AwSV

### Other regulations, restrictions and prohibition regulations

General Water Assessment Methodology (ABM) of the Netherlands: Slightly harmful to aquatic organisms.

#### Switzerland

##### VOCV-Regulation

Volatile organic compounds (VOC) content in percent by weight : 55 %

### Additional information

#### TSCA (Toxic Substances Control Act) - USA, United States of America

All chemical substances in this mixture are included on or are exempted from listing on the TSCA Inventory for Chemical Substances.

#### California Proposition 65 - State of California

Based on available information this product does not contain any components or chemicals currently known to the State of California to cause cancer, birth defects or reproductive harm at levels which would be subject to Proposition 65.

## 15.2 Chemical safety assessment

No information available.

## SECTION 16: Other information

### 16.1 Indication of changes

01. Product identifier · 15. National regulations

### 16.2 Abbreviations and acronyms

None

### 16.3 Key literature references and sources for data

Includes supplements in accordance with Regulation (EU) 2020/878 of June 18, 2020

### 16.4 Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

The statement is derived from the properties of the single components.

### 16.5 Relevant H- and EUH-phrases (Number and full text)

H220 Extremely flammable gas.  
H280 Contains gas under pressure; may explode if heated.

### 16.6 Training advice

None

### 16.7 Additional information

None

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.