

SAFETY DATA SHEET
According to Regulation (EC) No. 1907/2006, article 31

FOMLUBE UT 18

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

- 1.1 Product Identifier**
Trade name : FOMLUBE UT 18
- 1.2 Relevant identified uses of the substance/mixture and uses advised against**
Relevant identified uses : Lubricant
Sector of Use : SU3, Industrial uses: Uses of substances as such or in preparations at industrial sites.
- 1.3 Details of the supplier of the safety data sheet**
Manufacturer/Supplier : FenS bv.
: Amundsenweg 28
: 4462 GP GOES / Netherlands
: Tel. +31 113 - 573 220
: E: sales@fens.com
: I: www.fens.com
- 1.4 Emergency contact telephone number** : +31 113 - 579 095

2. HAZARDS IDENTIFICATION

- 2.1 Classification of the substance or mixture**
Classification according to Regulation (EC) No. 1272/2008 : Not classified as hazardous product under Regulation (EC) No. 1272/2008
- 2.2 Label elements**
Regulation (EC) No. 1272/2008 : Not labelled as hazardous product under Regulation (EC) No. 1272/2008
- 2.3 Other hazards** : Thermal decomposition can lead to release of toxic and corrosive gases.
- Ecological information** : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.
- Toxicological information** : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

3. COMPOSITION/INFORMATION ON INGREDIENTS

- 3.1 Mixture**
Description: : Organic thickener in synthetic oil
Dangerous Components : No dangerous ingredients according to Regulation (EC) No. 1907/2006
- | CAS Number | Wt% | Component Name |
|------------|------|--|
| 69991-67-9 | ≥ 60 | 1-Propene, 1,1,2,3,3,3-Hexafluoro-, oxidized, polymed. |
| 9002-84-0 | ≤ 40 | Polytetrafluoroethylene |

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4. FIRST AID MEASURES

- 4.1 Description of first aid measures**
- 4.1.1 In case of inhalation** : Move to fresh air in case of accidental inhalation of fumes from overheating or combustion.
: Oxygen or artificial respiration if needed.
- 4.1.2 In case of skin contact** : Wash off with soap and water.
- 4.1.3 In case of eye contact** : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
If eye irritation persists, consult a specialist.
- 4.1.4 In case of ingestion** : Drink 1 or 2 glasses of water.
Do NOT induce vomiting.
If symptoms persist, call a physician.
- 4.2 Most important symptoms and effects, both acute and delayed** :
- In case of inhalation**
Effects
- No known effect.
- In case of skin contact**
Effects
- Effects of skin contacts may include:
- Redness
- In case of eye contact**
Effects
- Contact with eyes may cause irritation.
- Redness
- In case of ingestion**
Symptoms
- Ingestion may provoke the following symptoms:
- Nausea
- Vomiting
- Diarrhoea
- 4.3 Indication of any immediate medical attention and special treatment needed** **Note to physician**
None

5. FIREFIGHTING MEASURES

- 5.1 Extinguishing media**
Suitable extinguishing media : - Water
- powder
- Foam
- Dry chemical
- Carbon dioxide (CO2)
- Unsuitable extinguishing media** : None
- 5.2 Special hazards arising from the substance or mixture** : - The product is not flammable.
- Not explosive
- In case of fire hazardous decomposition products may be produced such as: Gaseous hydrogen fluoride (HF), Fluorophosgene
- 5.3 Advice for fire fighters**
Protective equipment : **Special protective equipment for firefighters**
- Wear self-contained breathing apparatus and protective suit.
- When intervention in close proximity wear acid resistant over suit.
- Further information**
- Evacuate personnel to safe areas.
- Approach from upwind.

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- Protect intervention team with a water spray as they approach the fire.
- Keep containers and surroundings cool with water spray.
- Keep product and empty container away from heat and sources of ignition.

6. ACCIDENTAL RELEASE MEASURES

- | | |
|--|---|
| 6.1 Personal precautions, protective equipment and emergency procedures | : Advice for non-emergency personnel
- Prevent further leakage or spillage if safe to do so.
Advice for emergency responders
- Ensure adequate ventilation.
- Material can create slippery conditions.
- Sweep up to prevent slipping hazard.
- Keep away from open flames, hot surfaces and sources of ignition. |
| 6.2 Environmental precautions | : - Should not be released into the environment.
- Do not flush into surface water or sanitary sewer system. |
| 6.3 Methods and material for containment and cleaning up. | : - Soak up with inert absorbent material.
- Suitable material for picking up.
: - Dry sand
- Earth
- Shovel into suitable container for disposal. See section 7 for Refer to protective measures listed in sections 7 and 8. |
| 6.4 Reference to other sections | |

7. HANDLING AND STORAGE

- | | |
|---|---|
| 7.1 Precautions for safe handling | : - Ensure adequate ventilation.
- Use personal protective equipment.
- Keep away from heat and sources of ignition.
- To avoid thermal decomposition, do not overheat.
- Take measures to prevent the build up of electrostatic charge.
- Clean and dry piping circuits and equipment before any operations.
- Ensure all equipment is electrically grounded before beginning transfer operations.
Hygiene measures
- Ensure that eyewash stations and safety showers are close to the workstation location.
- When using do not eat, drink or smoke.
- Wash hands before breaks and at the end of workday.
- Handle in accordance with good industrial hygiene and safety practice. |
| 7.2 Conditions for safe storage, including any incompatibilities | : Technical measures/Storage conditions
- Keep away from heat and sources of ignition.
- Keep in properly labelled containers.
- Keep away from combustible material.
- Keep away from incompatible products
- Provide tight electrical equipment well protected against corrosion.
- Refer to protective measures listed in sections 7 and 8.
Packaging material
Suitable material
- Plastic materials.
- glass
- Metals |

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7.3 Specific end use(s) : No further relevant information available.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters. : This information is not available.

8.2 Exposure controls :

Control measures

Engineering measures

- Provide local ventilation appropriate to the product decomposition risk (see section 10).
- Refer to protective measures listed in sections 7 and 8.
- Apply technical measures to comply with the occupational exposure limits.

Individual protection measures

Respiratory protection

- In case of decomposition (see section 10), use an air breathing apparatus with face mask.
- Self-contained open-circuit compressed air breathing apparatus (EN 137)
- Self-contained closed-circuit breathing apparatus compressed (EN 145)

Hand protection

- Protective gloves complying with EN 374.

Suitable material

- Nitrile rubber
- PVC
- Neoprene gloves
- butyl-rubber
- Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).

Eye protection

- Safety goggles
- Use eye protection according to EN 166.

Skin and body protection

- Wear work overall and safety shoes.

Hygiene measures

- Ensure that eyewash stations and safety showers are close to the workstation location.
- When using do not eat, drink or smoke.
- Wash hands before breaks and at the end of workday.
- Handle in accordance with good industrial hygiene and safety practice.

Environmental exposure controls

- Dispose of rinse water in accordance with local and national regulations.

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9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	: Paste
Colour	: White
Odour	: Odourless
Odour Threshold	: No data available
Melting pin/freezing point	: Not applicable
Initial boiling point and boiling range	: Not applicable
Flammability	: Not applicable
Flash point	: Not applicable
Auto-ignition temperature	: Not auto-flammable, Expert judgement
Decomposition temperature	: > 290 °C
pH	: No data available
Viscosity	: No data available
Solubility	: Not determined
Partition coefficient: N-octanol/water	: No data available
Vapour pressure	: < 0,0001 hPa (20 °C)
Density	: 1,9 g/cm3
Relative density	: No data available
Relative vapor density	: No data available
Particle characteristics	: No data available
Evaporation rate (Butylacetate = 1)	: No data available

9.2 Other information

Oxidizing properties	: Not considered as oxidizing
Impact sensitivity	: Not explosive

10. STABILITY AND REACTIVITY

10.1 Reactivity	: No dangerous reaction known under conditions of normal use.
10.2 Chemical stability	: - Stable under recommended storage conditions. - Metals promote and lower decomposition temperature
10.3 Possibility of hazardous reactions	: No dangerous reactions known.
10.4 Conditions to avoid	: No further relevant information available.
10.5 Incompatible materials	: No further relevant information available.
10.6 Hazardous decomposition products	: None in case of appropriate storage/handling/transport.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Test data are not available for the complete mixture.

Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

Classification acc. to GHS

This mixture does not meet the criteria for classification.

Acute toxicity

Shall not be classified as acutely toxic.

Skin corrosion/irritation

Shall not be classified as corrosive/irritant to skin.

Serious eye damage/eye irritation

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Shall not be classified as seriously damaging to the eye or eye irritant.

Respiratory or skin sensitisation

Shall not be classified as a respiratory or skin sensitiser.

Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

Carcinogenicity

Shall not be classified as carcinogenic.

Reproductive toxicity

Shall not be classified as a reproductive toxicant.

Specific target organ toxicity - single exposure

Shall not be classified as a specific target organ toxicant (single exposure).

Specific target organ toxicity - repeated exposure

Shall not be classified as a specific target organ toxicant (repeated exposure).

Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

11.2 Information on other hazards

Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) at a concentration of $\geq 0,1\%$.

12. ECOLOGICAL INFORMATION

12.1 Toxicity	: Shall not be classified as hazardous to the aquatic environment.
12.2 Persistence and degradability	: No further relevant data available.
12.3 Bio accumulative potential	: No further relevant data available.
12.4 Mobility in soil	: No further relevant data available.
12.5 Results of PBT and vPvB assessment	: Does not contain a PBT-/vPvB-substance at a concentration of $\geq 0,1\%$.
12.6 Endocrine disrupting properties	: Does not contain an endocrine disruptor (ED) at a concentration of $\geq 0,1\%$.
12.7 Other adverse effects	: No further relevant data available.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods	: Sewage disposal-relevant information Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets. Waste treatment of containers/packagings Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.
Remarks	: Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

14. TRANSPORT INFORMATION

14.1 UN-Number ADR, ADN, IMDG, IATA	: Not restricted
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- 14.2 UN proper shipping name** : Not restricted
ADR, ADN, IMDG, IATA
- 14.3 Transport hazard class(es)** : Not restricted
ADR, ADN, IMDG, IATA-class
- 14.4 Packaging group** : Not restricted
ADR, IMDG, IATA
- 14.5 Environmental hazards** : Not applicable
- 14.6 Special precautions for user** : Not applicable
- 14.7 Maritime transport in bulk according to IMO instruments** : The cargo is not intended to be carried in bulk.

15. REGULATORY INFORMATION

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

Seveso Directive

2012/18/EU (Seveso III)

No	Dangerous substance/hazard categories	Qualifying quantity (tonnes) for the application of lower and upper-tier requirements	Notes
	not assigned		

Directive on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS)

none of the ingredients are listed

Regulation on persistent organic pollutants (POP)

none of the ingredients are listed

List of substances subject to authorisation (REACH, Annex XIV) / SVHC - candidate list

none of the ingredients are listed

Restrictions according to REACH, Annex XVII

none of the ingredients are listed

Toxic Substance Control Act (TSCA)

all ingredients are listed

15.2 Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

16. OTHER INFORMATION

This information is based on our present knowledge. However, it shall not constitute to guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

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EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative