

**SAFETY DATA SHEET**  
According to Regulation (EC) No. 1907/2006

**FOMLUBE AR 555**

**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY**

- 1.1 Trade name** : **FOMLUBE AR 555**  
**1.2 Use of the Substance** : Lubricant, for industrial use only.  
**1.3 Company** : FenS bv.  
: Amundsenweg 28  
: 4462 GP GOES  
: The Netherlands  
: Tel. +31 113 - 573 220  
: Fax +31 113 - 573 776  
: E: sales@fens.nl  
: I: www.fens.nl  
**1.4 Emergency contact telephone number** : +31 113 - 579 095

**2. HAZARDS IDENTIFICATION**

- 2.1 Information of the substance/preparation concerning guideline 67/548/EEG or guideline 1999/45/EG** : Not applicable  
**2.2 Labelling according to EU-guidelines** : Not applicable  
**2.3 Other hazards** : The usual precautionary measures for handling fluorinated products are to be observed. At temperatures above 290° C dangerous decomposition products may be formed.  
  
**Results of PBT and vPvB assessment**  
**PBT** : Not applicable  
**vPvB** : Not applicable

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Component	CAS-Number
Ethene, tetrafluoro-,oxidized,polymd.	699991-61-3
Polytetrafluoroethylene	9002-84-0
Ethene, tetrafluoro-, oxidized, polymd, reduced, hydrolyzed.	161075-14-5 (ca. 5%), Xi, R36/38

**4. FIRST AID MEASURES**

- 4.1 Description of first aid measures**  
**4.1.1 After inhalation** : Move to fresh air in case of accidental inhalation of fumes or overheating or combustion. If necessary, provide with oxygen.  
**4.1.2 After skin contact** : Wash off with soap and water and rinse thoroughly.  
**4.1.3 After 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 After ingestion** : Seek medical treatment.  
**4.2 Most important symptoms and effects, both acute and delayed** : No further relevant information available  
**4.3 Indication of any immediate medical attention and special treatment needed** : No further relevant information available

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**5. FIRE FIGHTING MEASURES**

- 5.1 Suitable extinguishing media** : Water, powder, foam, dry chemical, carbon dioxide (CO<sub>2</sub>).  
Fight larger fires with water jet or alcohol resistant foam.
- 5.2 Extinguishing media which shall not be used for safety reasons** : Water with a full water jet.
- 5.3 Special hazards arising from the substance or mixture.** : The product is not flammable.  
The product is not explosive.  
In case of hazardous decomposition products may be produced as: Gaseous hydrogen fluoride (HF), Fluoro-phosgene, Carbon Monoxide (CO), Carbon Dioxide (CO<sub>2</sub>).
- 5.4 Special advice for fire fighters** : Wear self-contained breathing apparatus and protective suit.  
Do not inhale explosion gasses or combustion gases.  
Keep containers and surroundings cool with water spray.

**6. ACCIDENTAL RELEASE MEASURES**

- 6.1 Personal precautions** : High risk of slipping due to leakage / spillage of product.
- 6.2 Environmental precautions** : Do not flush into surface water or sanitary sewer system.
- 6.3 Methods for cleaning up** : Collect mechanically and dispose the product according to the rules / as prescribed.
- 6.4 Reference to other sections** : See section 7 for information on safe handling.  
See section 8 for information on personal protection equipment.  
See section 13 for information on disposal.

**7. HANDLING AND STORAGE**

- 7.1 Handling**
- Advise on safe handling** : Do not smoke when handling the product.
- Information about fire and explosion protection** : No special measurements required.
- 7.2 Storage**
- Requirements to be met by storerooms and containers** : Store only in the original container.
- Advice on storage compatibility** : Do not store with oxidizing agents.
- Recommended storage temperature** : Room temperature.
- 7.3 Specific end use(s)** : No further relevant information available.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

- Additional information about design of technical systems** : No further data; see item 7.
- 8.1 Components with critical values that require monitoring at the workplace** : The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- Personal protective equipment**
- General protective and hygienic measures** : The usual precautionary measures should be adhered to when handling the lubricant.
- Breathing equipment** : Not necessary if room is well-ventilated.
- Protection of hands** : Protective gloves.
- Material of gloves** : Nitrile rubber, NBR
- Penetration time of glove material** : The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

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- 8.2.6 Not suitable are gloves made of the following materials** : Leather gloves  
Strong gloves
- 8.2.7 Eye protection** : Safety glasses
- 8.2.8 Body protection** : Protective work clothing.

**9. Physical and chemical properties**

- Appearance** : Grease
- Colour** : White
- Odour** : Odourless
- Melting point** : Not determined
- Boiling point/Boiling range** : Not determined
- Flash point** : The product is not flammable
- Flammability** : The product is not flammable
- Explosive properties** : Not explosive
- Vapor pressure at 20 °C** : <0,00001 hPa
- Density at 20 °C** : 1,9/cm<sup>3</sup>
- Solubility** : Insoluble with water.  
Partially soluble with fluorinated solvents.
- Decomposition temperature** : >290 °C
- Oxidizing properties** : Non-oxidizing

**10. STABILITY AND REACTIVITY**

- 10.1 Reactivity** : During usage under normal circumstances, no special reactions have been observed.
- 10.2 Chemical stability** : No decomposition if used according to specifications.
- 10.3 Possibility of hazardous reactions** : During usage under normal circumstances, no special reactions have been observed.
- 10.4 Conditions to avoid** : Do not overheat in order to avoid decomposition.
- 10.5 Incompatible materials** : Combustible material, Flammable materials, metals promote and lower decomposition temperature, Lewis acids (Friedel-Crafts) above 100°C, Aluminium and magnesium in powder form above 180°C, non-aqueous alkalis.
- 10.6 Hazardous decomposition products** : gaseous hydrofluoric acid (HF), fluorine phosgene.

**11. TOXICOLOGICAL INFORMATION**

- 11.1 Acute toxicity to primary effect** : on the skin – no irritant effect  
on the eye – light irritation possible

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**12. ECOLOGICAL INFORMATION**

<b>Aquatic toxicity</b>	: No further relevant data available.
<b>Persistence and degradability</b>	: No further relevant data available.
<b>Bio accumulative potential</b>	: No further relevant data available.
<b>Mobility in soil</b>	: No further relevant data available.
<b>Results of PBT and vPvB assessment</b>	: PBT – not applicable vPvB – not applicable
<b>Other adverse effects</b>	: No further relevant data available.

**13. DISPOSAL CONSIDERATIONS**

<b>13.1 Recommendation</b>	: Must not be disposed of together with household garbage. Do not allow product to reach sewage system. It is not possible to state the European waste code from the CE catalogue since the classification of these codes is done according to the individual industries. Therefore several codes can be related to one product. The correct classification can be done by the user only.
<b>13.2 Uncleansed packaging</b>	: Disposal must be made according to official regulations.

**14. TRANSPORT INFORMATION**

<b>14.1 UN-Number</b> ADR, ADN, IMDG, IATA	: Not regulated
<b>14.2 UN proper shipping name</b> ADR, ADN, IMDG, IATA	: Not regulated
<b>14.3 Transport hazard class(es)</b> ADR, ADN, IMDG, IATA-class	: Not regulated
<b>14.4 Packaging group</b> ADR, IMDG, IATA	: Not regulated
<b>14.5 Marine pollutant</b>	: No
<b>14.6 Special precautions for user</b>	: Not applicable
<b>14.7 Transport in bulk according to Annex II of Marpol73/78 and the IBC Code</b>	: Not applicable

**15. REGULATORY INFORMATION**

<b>15.1 EC-Label</b>	: EC-directive 1272/2008 EC-directive 1907/2006
<b>15.2 Inventory information</b>	
<b>Toxic Substance Control Act List (TSCA)</b>	: In compliance with inventory
<b>Australian Inventory of Chemical Substances (AICS)</b>	: In compliance with inventory
<b>Canadian Domestic Substances List (DSL)</b>	: In compliance with inventory
<b>Inventory of Existing Chemical Substances (China) (IECS)</b>	: In compliance with inventory
<b>Korean Existing Chemicals Inventory (KECI (KR))</b>	: In compliance with inventory
<b>Japanese Existing and New Chemical Substances (MITI List)(ENCS)</b>	: In compliance with inventory
<b>New Zealand Inventory of Chemicals and Chemical Substances (PICCS)</b>	: In compliance with inventory
<b>EU-list of existing chemical substances (EINECS)</b>	: In compliance with inventory Product falls under the EU-polymer definition.

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**16. FURTHER INFORMATION**

Clarification of the R-sentences in Section 3:  
- R36/38: irritating to skin and eyes

The above information is based on our present knowledge. They relate to the safety issues and are not a guarantee of characteristics. FENS bv is not responsible for accidents that are caused by improper use of the product. Existing laws and regulations must be observed by the user.