

## MATERIAL SAFETY DATA SHEET

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### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

**Product Name:** FOMBLIN (R) GR RT 15  
**Article Code:** 188570  
**Synonyms:** No information available  
**Chemical characterisation:** Not applicable..  
**Supplier:** Klüber Lubrication North America L.P.  
32 Industrial Drive  
Londonderry, NH 03053  
(603) 647-4104  
Fax (603) 647-4106

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**Emergency telephone number** CHEMTREC: 1-800-424-9300 International: (703) 527-3887

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS-No	ACGIH (TWA mg/m <sup>3</sup> ):	OSHA (TWA mg/m <sup>3</sup> ):
Perfluorinated polyether oil		None	None
PTFE		None	None

### 3. HAZARDS IDENTIFICATION

**Properties affecting health:** Harmful if swallowed  
**Principle routes of exposure:** Skin.  
**Skin contact:** Prolonged skin contact may cause skin irritation and/or dermatitis..  
**Eye contact:** Contact with eyes may cause irritation.  
**Inhalation:** Vapors and/or aerosols which may be formed at elevated temperatures may be irritating to eyes and respiratory tract.  
**Ingestion:** Harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea

### 4. FIRST AID MEASURES

**General advice:** If symptoms persist, call a physician.  
**Skin contact:** Rinse with plenty of water. If skin irritation persists, call a physician.  
**Eye contact:** Flush eye with water for 15 minutes. If symptoms persist, call a physician.

**Inhalation:** Move to fresh air in case of accidental inhalation of fumes from overheating or combustion. If symptoms persist, call a physician.

**Ingestion:** Do not induce vomiting. Consult a physician.

**Notes to physician:** Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media:**

Carbon dioxide (CO<sub>2</sub>), Dry chemical, Dry sand, Water spray mist or foam

**Extinguishing media which must not be used for safety reasons:**

Do not use a solid water stream as it may scatter and spread fire.

**Special protective equipment for firefighters:**

In the event of fire and/or explosion do not breathe fumes. In the event of fire, wear self-contained breathing apparatus. Standard procedure for chemical fires.

**Specific hazards:** Fire may cause hydrogen fluoride and fluorophosgene to evolve. Burning produces irritant fumes In the event of fire and/or explosion do not breathe fumes

**Unusual hazards:** No hazards resulting from the material as supplied

**Specific methods:** Water mist may be used to cool closed containers. Standard procedure for chemical fires.

**Flash point:** Not applicable.

**Autoignition temperature:** Not determined..

**Flammability Limits in Air:**

<b>Lower</b>	No information available
<b>Upper</b>	No information available

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Contaminated surfaces will be extremely slippery. Avoid contact with skin, eyes and clothing. Wear personal protective equipment.

**Environmental precautions:** Prevent further leakage or spillage if safe to do so. Do not allow material to contaminate ground water system. Prevent product from entering drains.

**Methods for cleaning up:** Scrape-up. Pick up and transfer to properly labelled containers. Clean contaminated surface thoroughly.

## 7. HANDLING AND STORAGE

**Handling**

**Technical measures/precautions:**

**Safe handling advice:**

Avoid temperatures above 280°C.

Spilling onto the container's outside will make container slippery. Avoid contact with skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice.

**Storage**

**Technical measures/storage conditions:**

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from open flames, hot surfaces and sources of ignition. Keep in properly labelled containers. Keep out of reach of children.

**Incompatible products:**

No materials to be specially mentioned.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Engineering measures to reduce exposure:

Ensure adequate ventilation, especially in confined areas..

### Personal Protective Equipment

<b>Respiratory protection:</b>	No personal respiratory protective equipment normally required.
<b>Hand protection:</b>	Protective gloves.
<b>Skin and body protection:</b>	Usual safety precautions while handling the product will provide adequate protection against this potential effect..
<b>Eye protection:</b>	Safety glasses with side-shields.
<b>Hygiene measures:</b>	Avoid contact with skin, eyes and clothing.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State:</b>	Grease	<b>Appearance:</b>	Paste
<b>Color:</b>	White	<b>Odor:</b>	Not significant
<b>Specific gravity:</b>	~ 1.90	<b>Boiling point/range</b>	No information available
<b>Evaporation rate:</b>	Not determined	<b>Vapor density:</b>	Not determined
<b>Vapor pressure:</b>	Not determined	<b>Solubility:</b>	Insoluble.

## 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Stable up to 280°C.
<b>Polymerization:</b>	Hazardous polymerisation does not occur.
<b>Hazardous decomposition products:</b>	None under normal use
<b>Materials to avoid:</b>	Flammable materials. Combustible material.
<b>Conditions to avoid:</b>	Heat, flames and sparks..

## 11. TOXICOLOGICAL INFORMATION

<b>Acute toxicity:</b>	No data available
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## 12. ECOLOGICAL INFORMATION

<b>Mobility:</b>	No information available.
<b>Bioaccumulative potential:</b>	No information available.
<b>Ecotoxicity effects:</b>	No data available.
<b>Aquatic toxicity:</b>	No information available

## 13. DISPOSAL CONSIDERATIONS

<b>Waste from residues / unused products:</b>	In accordance with local and national regulations.
<b>Contaminated packaging:</b>	Empty containers should be taken for local recycling, recovery or waste disposal

## 14. TRANSPORT INFORMATION

### DOT

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Proper shipping name: Not regulated

### TDG (Canada)

### IMO / IMDG

Proper shipping name: Not regulated

### ICAO

### IATA

Proper shipping name: Not regulated

## 15. REGULATORY INFORMATION

### TSCA

TSCA: Listed in TSCA

### U.S. Regulations:

#### *PTFE*

PARTK: Listed.

RIRTK: Listed.

Sara (311, 312) hazard class:

### Canada

WHMIS hazard class:

Non-controlled

## 16. OTHER INFORMATION

**NFPA**    Health: 3                      Flammability: 0                      Instability: 0

**HMIG**    Health: 1                              Flammability: 0                      Reactivity: 0

Reason for revision: Not applicable  
Prepared by: Health & Safety

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