

**FOMBLIN® GREASE YNX****1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING****1.1. Identification of the substance or preparation**

Product name : FOMBLIN® GREASE YNX

**1.2. Use of the Substance/Preparation**Recommended use :

- Lubricant
- For industrial use only.

**1.3. Company/Undertaking Identification**

Address :

Supplied by:  
RS Components Ltd,  
Birchington Road, Corby, Northants, NN17 9RS.  
Tel: +44 (0) 1536 402888 (8am to 8pm)  
Email: technical.help@rs-components.com

Telephone :

Telefax :

**1.4. Emergency and contact telephone numbers**

Emergency telephone : +44(0)208 762 8322 [CareChem 24] (Europe)

Contact telephone number : IT: +39-2-3835-1  
(product information):

E-mail address : sds.solexis@solvay.com

**2. HAZARDS IDENTIFICATION**

Appearance : paste  
Colour : colourless  
Odour : odourless

- Preparation non classified according to Directive 1999/45/EC.
- The preparation is based on an inert polymer.
- Not hazardous in normal conditions of handling and use
- Ecological injuries are not known or expected under normal use.
- Thermal decomposition can lead to release of toxic and corrosive gases.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Substance name (CAS-No. / EC-No. / Annex-1)	Concentration (W/W)	Classification	R-phrases(s)
1-Propene, 1,1,2,3,3,3-hexafluoro-, oxidized, polymd.	%		



(69991-67-9 / Exempt or not available / Exempt or not available )

**Talc** %  
(14807-96-6 / 238-877-9 / Exempt or not available )

## 4. FIRST AID MEASURES

### 4.1. Inhalation

- Move to fresh air in case of accidental inhalation of fumes from overheating or combustion.
- Oxygen or artificial respiration if needed.

### 4.2. Eye contact

- Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
- If eye irritation persists, consult a specialist.

### 4.3. Skin contact

- Wash off with soap and water.
- If symptoms persist, call a physician.

### 4.4. Ingestion

- Drink 1 or 2 glasses of water.
- Do NOT induce vomiting.
- If symptoms persist, call a physician.

## 5. FIRE-FIGHTING MEASURES

### 5.1. Suitable extinguishing media

- Water
- powder
- Foam
- Dry chemical
- Carbon dioxide (CO<sub>2</sub>)

### 5.2. Extinguishing media which shall not be used for safety reasons

- None.

### 5.3. Special exposure hazards in a fire

- The product is not flammable.
- Not explosive
- In case of fire hazardous decomposition products may be produced such as: Gaseous hydrogen fluoride (HF), Fluorophosgene

### 5.4. Special protective equipment for fire-fighters

- Wear self-contained breathing apparatus and protective suit.
- When intervention in close proximity wear acid resistant over suit.

### 5.5. Other information

- Approach from upwind.
- Keep containers and surroundings cool with water spray.
- Keep product and empty container away from heat and sources of ignition.
- Evacuate personnel to safe areas.

## 6. ACCIDENTAL RELEASE MEASURES

### 6.1. Personal precautions

- Sweep up to prevent slipping hazard.
- Prevent further leakage or spillage if safe to do so.



- Keep away from open flames, hot surfaces and sources of ignition.
- Refer to protective measures listed in sections 7 and 8.

### 6.2. Environmental precautions

- Should not be released into the environment.
- Do not flush into surface water or sanitary sewer system.

### 6.3. Methods for cleaning up

- Soak up with inert absorbent material.
- Suitable material for picking up
- Earth
- Sawdust
- Shovel into suitable container for disposal.

## 7. HANDLING AND STORAGE

### 7.1. Handling

- Use only in well-ventilated areas.
- Keep away from heat and sources of ignition.
- To avoid thermal decomposition, do not overheat.

### 7.2. Storage

- Keep away from heat and sources of ignition.
- Keep away from combustible material.
- Keep away from Incompatible products.

### 7.3. Specific use(s)

- For further information, please contact: Supplier

### 7.4. Packaging material

- Plastic material

### 7.5. Other information

- Provide tight electrical equipment well protected against corrosion.
- Refer to protective measures listed in sections 7 and 8.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1. Exposure Limit Values

Remarks:

- Threshold limit values of by-products from thermal decomposition

#### Hydrogen fluoride anhydrous

- UK. EH40 Workplace Exposure Limits (WELs) 2005  
time weighted average = 1.8 ppm  
time weighted average = 1.5 mg/m<sup>3</sup>  
Remarks: as F
- UK. EH40 Workplace Exposure Limits (WELs) 2005  
Short term exposure limit = 3 ppm  
Short term exposure limit = 2.5 mg/m<sup>3</sup>  
Remarks: as F
- US. ACGIH Threshold Limit Values 2007  
time weighted average = 0.5 ppm  
Remarks: as F
- US. ACGIH Threshold Limit Values 2007  
Ceiling Limit Value = 2 ppm  
Remarks: as F



- EU. Indicative Exposure and Directives relating to the protection of risks related to work exposure to chemical, physical, and biological agents. 02 2006  
time weighted average = 1.8 ppm  
time weighted average = 1.5 mg/m<sup>3</sup>
- EU. Indicative Exposure and Directives relating to the protection of risks related to work exposure to chemical, physical, and biological agents. 02 2006  
Short term exposure limit = 3 ppm  
Short term exposure limit = 2.5 mg/m<sup>3</sup>

**Carbonyl difluoride**

- US. ACGIH Threshold Limit Values 01 2006  
time weighted average = 2 ppm
- US. ACGIH Threshold Limit Values 01 2006  
Short term exposure limit = 5 ppm
- UK. EH40 Workplace Exposure Limits (WELs) 2005  
time weighted average = 2.5 mg/m<sup>3</sup>  
Remarks: as F
- EU. Indicative Exposure and Directives relating to the protection of risks related to work exposure to chemical, physical, and biological agents. 02 2006  
time weighted average = 2.5 mg/m<sup>3</sup>

**8.2. Exposure controls**

- 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.

**8.2.1. Occupational exposure controls****8.2.1.1. Respiratory protection**

- No personal respiratory protective equipment normally required.
- Wear self-contained breathing apparatus in confined spaces, in cases where the oxygen level is depleted, or in case of significant emissions.
- Use only respiratory protection that conforms to international/ national standards.

**8.2.1.2. Hand protection**

- Rubber or plastic gloves
- Latex gloves
- 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).

**8.2.1.3. Eye protection**

- Tightly fitting safety goggles

**8.2.1.4. Skin and body protection**

- Rubber apron
- long sleeved clothing

**8.2.1.5. 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.

**8.2.2. Environmental exposure controls**

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

**9. PHYSICAL AND CHEMICAL PROPERTIES****9.1. General Information (appearance, odour)**

Appearance : paste



**Colour** : colourless  
**Odour** : odourless

## 9.2. Important health safety and environmental information

**Boiling point/boilingrange** : *Remarks: no data available*  
**Flash point** : *Remarks: The product is not flammable.*  
**Flammability** : *Remarks: The product is not flammable.*  
**Explosive properties** : *Explosion danger:*  
*Remarks: Not explosive*  
**Oxidizing properties** : *Remarks: Non oxidizer*  
**Vapour pressure** : 0.0013 hPa  
*Temperature: 20 °C*  
**Relative density / Density** : 1.90 g/cm<sup>3</sup>  
*Temperature: 20 °C*  
**Solubility** : Water  
*Remarks: insoluble*  
: fluorinated solvents  
*Remarks: soluble*

## 9.3. Other data

**Melting point/range** : *Remarks: not applicable*  
**Decomposition temperature** : > 290 °C

## 10. STABILITY AND REACTIVITY

### 10.1. Stability

- Stable under recommended storage conditions.

### 10.2. Conditions to avoid

- To avoid thermal decomposition, do not overheat.
- Keep away from flames and sparks.

### 10.3. Materials to avoid

- Combustible material, Flammable materials, metals promote and lower decomposition temperature, Lewis acids (Friedel-Crafts) above 100°C, Aluminum and magnesium in powder form above 200°C

### 10.4. Hazardous decomposition products

- Gaseous hydrogen fluoride (HF), Fluorophosgene

## 11. TOXICOLOGICAL INFORMATION

### 11.1 Toxicological data

#### **Acute oral toxicity**

- LD50, rat, > 5,000 mg/kg (Perfluorinated polyethers)

#### **Acute dermal toxicity**

- LD50, rat, > 2,000 mg/kg (Perfluorinated polyethers)



**Skin irritation**

- rabbit, No skin irritation (Perfluorinated polyethers)

**Eye irritation**

- rabbit, No eye irritation (Perfluorinated polyethers)

**Sensitisation**

- guinea pig, Did not cause sensitization on laboratory animals. (Perfluorinated polyethers),  
Remarks: Skin

**Chronic toxicity**

- Dermal, 14 days, rabbit, No skin irritation, (Perfluorinated polyethers)
- 28-day, rat, NOEL: > 1000 mg/kg/day, (Perfluorinated polyethers)

**Genetic toxicity in vitro**

- Not mutagenic in Ames Test. (Perfluorinated polyethers)

**Possible hazards (summary)**

- Description of possible hazardous to health effects is based on experience and/or toxicological characteristics of several components.
- The preparation is based on an inert polymer.

**11.2. Health effects****Main effects**

- Thermal decomposition can lead to release of toxic and corrosive gases.
- Exposure to decomposition products
- Causes severe irritation of eyes, skin and mucous membranes.

**Inhalation**

- No known effect.

**Eye contact**

- Contact with eyes may cause irritation.
- Redness

**Skin contact**

- Redness

**Ingestion**

- Ingestion may provoke the following symptoms:
- Symptoms: Nausea, Vomiting, Diarrhoea.

**12. ECOLOGICAL INFORMATION****12.1. Ecotoxicity effects****Acute toxicity**

- Oncorhynchus mykiss (rainbow trout), LC50, 96 h, > 370 mg/l (Perfluorinated polyethers)  
Remarks: saturated aqueous solution
- Daphnia magna (Water flea), EC50, 48 h, > 370 mg/l (Perfluorinated polyethers)  
Remarks: saturated aqueous solution

**12.2. Mobility**

- Remarks: no data available

**12.3. Persistence and degradability****Abiotic degradation**

- Result: no data available

**Biodegradation**

- Remarks: no data available

**12.4. Bioaccumulative potential**

- Result: no data available



**12.5. Other adverse effects**

- no data available

**12.6. Possible hazards (summary)**

- Ecological injuries are not known or expected under normal use.

**13. DISPOSAL CONSIDERATIONS****13.1. Waste from residues / unused products**

- Can be incinerated, when in compliance with local regulations.
- The incinerator must be equipped with a system for the neutralisation or recovery of HF.
- In accordance with local and national regulations.

**13.2. Packaging treatment**

- Empty containers can be landfilled, when in accordance with the local regulations.

**14. TRANSPORT INFORMATION**

- Sea (IMO/IMDG)
- not regulated
- Air (ICAO/IATA)
- not regulated
- European Road/Rail (ADR/RID)
- not regulated

**15. REGULATORY INFORMATION****15.1. EC Label**

- Preparation non classified according to Directive 1999/45/EC.

**15.2. Inventory Information**

<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>Korea Existing Chemicals Inv. (KECI) (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 (in preparation) (NZ)</b>	: -	In compliance with inventory.
<b>Philippine 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..



**15.3. Other regulations**

- European Waste Catalogue, Hazardous waste, Waste codes should be assigned by the user based on the application for which the product was used.

**16. OTHER INFORMATION****16.1. Administrative information**

- Update
- Distribute new edition to clients

This SDS is only intended for the indicated country to which it is applicable. The European SDS format compliant with the applicable European legislation is not intended for use nor distribution in countries outside the European Union with the exception of Norway and Switzerland. Safety datasheets applicable in other countries/regions are available upon request.

The information given corresponds to the current state of our knowledge and experience of the product, and is not exhaustive. This applies to product which conforms to the specification, unless otherwise stated. In this case of combinations and mixtures one must make sure that no new dangers can arise. In any case, the user is not exempt from observing all legal, administrative and regulatory procedures relating to the product, personal hygiene, and protection of human welfare and the environment.

