



1. CHEMICAL PRODUCT/COMPANY IDENTIFICATION

Name: MS-2010
FluoroExtreme[™]
Inert Light Grease

Product Use: Lubricant

MANUFACTURER/DISTRIBUTOR:

Miller-Stephenson Chemical
55 Backus Ave,
Danbury, Conn. 06810 USA
(203) 743-4447

Emergency Phone Number:
(800) 424-9300

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture: Not classified as dangerous for supply/use according to OSHA HCS (29 CFR 1910.1200)

Label elements:

Hazard Symbol: None
Signal word: None
Hazard Statements: None

Precautionary Statements: IF ON SKIN: Wash with plenty of soap and water. Keep out of reach of children.

Other hazards:

The product as such is not hazardous. The thermal decomposition vapors of fluorinated polymers may cause polymer fume fever with flu-like symptoms in humans, especially when smoking contaminated tobacco. Repeated episodes of polymer fume fever may result in persistent lung effects.

3. INGREDIENTS

<u>Material (s)</u>	<u>CAS No.</u>	<u>Approximate %</u>
Perfluoroalkylether	60164-51-4	> 30
Polytetrafluoroethylene	9002-84-0	< 35

4. FIRST AID MEASURES

Inhalation: Remove patient to fresh air. If not breathing, give artificial respiration. Give oxygen as necessary, if qualified personnel is available. Get medical attention if necessary.

Eye: Flush with large amounts of water for at least 15 minutes, lifting eyelids until no evidence of the chemical remains. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if necessary.

Skin: Wash skin with soap and water after contact. Wash contaminated clothing before use. Get medical attention if necessary.

Oral: If swallowed, DO NOT induce vomiting unless directed to do so by a physician or poison control center. Never give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and delayed: None

Indication of any immediate medical attention and special treatment needed: None

5. FIRE FIGHTING MEASURES

Flash Point: Does not flash

Method: Pensky-Martens Close Cup

Decomposition Temperature: 350°C/662°F

Suitable Extinguishing Media: Non-combustible. In case of fire in the surroundings: all extinguishing agents allowed.

Unsuitable extinguishing media: None known.

Special hazards: None known.

Special Fire Fighting Instruction: Self-contained breathing apparatus (SCBA) and suitable protective clothing spills under should be worn in fire conditions. Keep containers cool by spraying with water if exposed to fire. Decomposition at flame temperatures may form toxic fluorine compounds. Avoid breathing decomposition products.

6. ACCIDENTAL RELEASE MEASURES

Safeguards (Personnel): Wear protective gloves/eye protection.

Environmental precautions: Prevent material from entering sewers, waterways, or low areas. Should not be released into the environment.

Spill Cleanup: Contain spillage, and then collect with inert material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal or recovery according to local / national regulations.

7. HANDLING AND STORAGE

Handling: Avoid contact with skin or eyes. Wash thoroughly after handling. When using do not eat, drink or smoke.

Storage Conditions: Store at room temperature. No incompatible materials known.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering controls: In the event that the polymer is heated above 350°C/662°F, local ventilation should be used to avoid exposure to fumes.

Respiratory Protection: Normally no personal respiratory protection is necessary. In case of insufficient ventilation, wear suitable respiratory equipment.

Eye Protection: Avoid eye contact. Use chemical goggles or safety glasses with side shields.

Skin Protection: Wear protective gloves (Nitrile gloves)

9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: N.A.

Solubility in H₂O : Insoluble

Density: 1.9 g/cc at 75°F/24°C

pH Information: N.A.

Form: Oil

Appearance: Clear

Color: Colorless

Odor: Odorless

10. STABILITY AND REACTIVITY

Reactivity: Stable under normal conditions.

Chemical Stability: Stable.

Material and Conditions to Avoid: Decomposition temperature 350°C/662°F

Decomposition: Hazardous thermal decomposition products: Fluorinated compounds, Oxides of carbon.

Possibility of hazardous reactions: None anticipated.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Oral LD50 : > 25,000 mg/kg , rat

Irritation/Corrosivity: Non-irritant to rabbit eyes.

Skin sensitization: Not a skin sensitizer.

Repeated dose toxicity: None

Carcinogenicity: None

Mutagenicity: None

Toxicity for reproduction: None.

12. ECOLOGICAL INFORMATION

Aquatic Toxicity:

96 h LC50: Oncorhynchus mykiss (rainbow trout) > 1,000 mg/l

The substance is a polymer and is not expected to produce toxic effects.

Other adverse effects: None known

13. DISPOSAL CONSIDERATIONS

Comply with federal, state and local regulations. Remove to a permitted waste disposal facility.

14. TRANSPORT INFORMATION

U.S. DOT

Not Regulated

IATA

Not Regulated

IMDG

Not Regulated

15. REGULATORY INFORMATION

U.S. Federal Regulations

TSCA: All ingredients are listed in TSCA inventory.

16. OTHER INFORMATION

NPCA-HMIS Ratings:

Health - 1

Flammability - 0

Reactivity - 0

Personal Protective rating to be supplied by user depending on the conditions.

FOR INDUSTRIAL USE ONLY

REVISION DATE: APRIL 2015

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. Final determination of suitability of any material is the sole responsibility of the user.