



## 1. CHEMICAL PRODUCT/COMPANY IDENTIFICATION

**Name:** MS-2010  
*FluoroExtreme*<sup>TM</sup>  
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:** Do not breathe dust, mist or vapors.  
Use personal protective equipment as required.  
Get medical attention if you feel unwell.  
Store in a dry place, in a closed container.  
Dispose of content and container according to local and national regulations.

## 3. INGREDIENTS

<u>Material (s)</u>	<u>CAS No.</u>	<u>Approximate %</u>
Fluorinated grease	N/A	100 %

#### 4. FIRST AID MEASURES

**Inhalation:** Remove patient to fresh air. Get medical attention if necessary.

**Eye:** Flush with 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:** Consult physician immediately.

#### 5. FIRE FIGHTING MEASURES

**Flash Point:** Does not flash

**Method:** Pensky-Martens Close Cup

**Decomposition Temperature:** N/A

**Suitable Extinguishing Media:** Dry chemical, CO<sub>2</sub>, foam or sand/earth.

**Unusual Fire and Explosion Hazards:** Dense smoke can form in fire. In a fire, decomposition of fluorinated compounds can generate Hydrogen fluoride, fluorophosgene, and carbonyl fluoride. Empty containers contain residue. Do not cut, drill, grind or weld as they may explode.

**Special Fire Fighting Instruction:** Self-contained breathing apparatus (SCBA) for enclosed areas, if necessary. Avoid smoke inhalation. Water or foam may cause frothing. Keep containers cool by spraying with water if exposed to fire.

#### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures:** Review FIRE FIGHTING MEASURES and HANDLING (PERSONNEL) sections before proceeding with clean-up. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean-up.

**Environmental precautions:** Discharge into the environment must be avoided. Prevent further leakage or spillage if safe to do so. Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillage cannot be contained.

**Methods and materials for containment and clean up:** Soak up with inert absorbent material.

Store recovered material in appropriate container. Local or national regulations may apply to releases and disposal of this material, as well as those materials used in the cleanup of releases. You will need to determine which regulations are applicable. Sections 13 and 15 of this SDS provide information regarding certain local or national requirements

#### 7. HANDLING AND STORAGE

**Handling:** Avoid contact with skin or eyes. Wash thoroughly after handling. When using do not eat, drink or smoke. Use with adequate ventilation. Avoid breathing if this material is atomized in a mist.

**Storage Conditions:** Store at room temperature. Keep container closed and in a dry, well-ventilated place.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering controls:** None required, unless mists, smoke, or vapors are produced at high temperatures.

**Respiratory Protection:** Normally no personal respiratory protection is necessary, unless mists, smoke or vapors are produced at high temperatures. If so, follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators.

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

**Skin Protection:** Wear protective gloves when exposed to prolonged or repeated skin contact.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Boiling Point:** > 200°C

**Vapor Pressure:** Negligible

**Density:** 1.98 g/cc at 77°F/25°C

**Evaporation Rate:** Negligible

**pH Information:** N.A.

**Solubility in H<sub>2</sub>O:** Insoluble

**Form:** Grease

**Appearance:** Grease

**Color:** White

**Odor:** Odorless

## 10. STABILITY AND REACTIVITY

**Reactivity:** Not classified as a reactivity hazard.

**Chemical Stability:** Stable under normal conditions.

**Material and Conditions to Avoid:** Avoid contact with strong oxidants, such as liquid chlorine and concentrated oxygen.

**Hazardous thermal decomposition products:** Hydrogen fluoride, Oxides of carbon, fluorophosgene, carbonyl fluoride and other fumes.

**Hazardous polymerization:** Will not occur.

## 11. TOXICOLOGICAL INFORMATION

**Acute Oral LD50 :** > 5,000 mg/kg in rats

**Inhalation:** Thermal decomposition (above 300°C) can cause polymer fume fever with flu-like symptoms in humans.

**Skin Irritation:** No skin irritation in rabbits.

**Sensitization:** Not expected to be a sensitizer based on component data.

**Carcinogenicity:** None

**Aspiration hazard:** Not classified.

## 12. ECOLOGICAL INFORMATION

Fluorinated grease: Not expected to produce toxic effects.

## 13. DISPOSAL CONSIDERATIONS

According to RCRA (40 CFR 261), this material is not hazardous waste.

Dispose of in accordance with all local, state and provincial, and federal regulations.

## 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 included or exempt from listing on TSCA inventory.

**EPA SARA Title III Chemical Listing:** This product contains no extremely hazardous or hazardous substances.

**CERCLA Hazardous Substances:** None

### **U.S. State Regulations**

#### **California Proposition 65:**

WARNING: This product can expose you to chemicals known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

## 16. OTHER INFORMATION

### **FOR INDUSTRIAL USE ONLY**

### **REVISION DATE: OCTOBER 2022**

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.