

**MATERIAL SAFETY DATA SHEET**  
PRECISION LABORATORIES, INC.



Updated: March 21, 2011  
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**Product Name: FS MAXTRA™ - Ammonium Sulfate Plus Drift Retardant**

**1. PRODUCT AND COMPANY IDENTIFICATION**

Product Name: **FX Maxtra**  
Supplier: **PRECISION LABORATORIES**  
1429 S. SHIELDS DRIVE  
WAUKEGAN, IL 60085

Emergency telephone number: (Chemtrec Information 24 hours) (800) 424-9300  
For MSDS, Product Safety, or Regulatory inquiries, call: (847) 596-3001  
Customer Service, call: (800) 323-6280

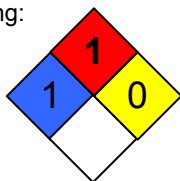
**2. COMPOSITION / INFORMATION ON INGREDIENTS**

<u>Component</u>	<u>CAS#</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>% By Wt.</u>
Proprietary blend				100%

**3. HAZARDS IDENTIFICATION**

**EMERGENCY OVERVIEW:**

NFPA Hazard Rating:



**Primary Routes of Exposure:**

Eyes: **Yes**                                      Skin: **Yes**                                      Oral: **No**                                      Inhalation: **Yes**

**Signs and Symptoms of Exposure:**

Eye contact: May cause irritation, tearing and redness.  
Skin contact: May cause irritation, including redness and inflammation. May be harmful if absorbed through skin.. Allergic reaction possible.  
Inhalation: May cause upper respiratory tract irritation; allergic reaction possible.  
Ingestion: May be harmful is swallowed. May cause nausea and vomiting.

**4. FIRST AID MEASURES**

**FIRST AID MEASURES FOR ACCIDENTAL EXPOSURE**

**Eye Exposure:** Check for and remove contact lenses. Immediately flush eyes with water for at least 15 minutes. Cold water may be used. Seek medical attention.

**Skin Exposure:** Immediately wash affected area with plenty of soap and water for at least five minutes. Remove contaminated clothing and shoes, and clean before reuse. Seek medical attention.

**Inhalation:** Move individual to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Seek medical attention.

**Ingestion:** **Do not induce vomiting unless directed to do so by medical personnel.** If conscious and alert, wash out individual's mouth with water and keep at rest. Never give fluids or force vomiting if individual is unconscious, having convulsions or has no gag reflex. Do not leave unattended. Vomiting may occur spontaneously; to prevent aspiration of swallowed material, have individual lay on side. Seek medical attention.

**Medical Conditions Aggravated by Overexposure:** Repeated, prolonged skin contact may cause sensitization in susceptible individuals. Skin contact may aggravate existing skin disease.

**5. FIRE-FIGHTING MEASURES**

**FIRE HAZARD DATA:**

Flammability: N/D                                      LEL: N/D                                      UEL: N/D  
Auto-ignition temperature: N/D  
Flash Point: >199°F (93°C)

**Extinguishing Media:** Carbon dioxide or dry chemical for small fires. Dry chemical, alcohol foam, universal foam, or water spray for large fires. Water jet not recommended (frothing possible).

**Special Fire Fighting Procedures:** Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing.

**Additional Fire and Explosive Data:** Product will burn under fire conditions. Closed containers may rupture (due to pressure buildup) when exposed to extreme heat.

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## 6. ACCIDENTAL RELEASE MEASURES

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Evacuate the spill area, except for cleanup personnel. Wear protective equipment as referenced in Section 8 below. Control spill with adsorbent pads or booms. Recover free liquid. For recovery or disposal, add inert absorbent (sand, earth, sawdust, etc.) to spill area and shovel into containers for disposal. Product is slippery under foot; flush smooth surfaces thoroughly. See Section 13 below for disposal considerations.

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## 7. HANDLING AND STORAGE

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**Precautions to be Taken in Handling:** Keep away from heat, sparks and flame. Keep container closed. Wear appropriate equipment and clothing to prevent repeated or prolonged skin contact as referenced in Section 8 below. Use in areas with adequate mechanical exhaust ventilation, or wear respirator.

**Precautions to be Taken in Storage:** Protect product from freezing. Keep containers sealed when not in use. Store in original container only.

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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**Note:** When selecting personal protective equipment and clothing, follow all of the manufacturer specifications and recommendations that apply to your specific operation and processing conditions. Take into consideration all working conditions and all chemicals to be handled or processed.

**Eye Protection:** Wear splash-proof chemical safety goggles. Contact lenses should not be worn when working with chemicals.

**Skin Protection:** Wear chemical-resistant gloves, long-sleeved shirt, pants, socks and shoes to minimize skin contact. As precautions, wash hands and face with mild soap and water before eating, drinking, smoking or using restroom. After each shift, clean all protective equipment, wash work clothes, and shower.

**Inhalation Protection:** Wear respirator in areas of poor ventilation. Protect against spray mists.

**Other Protection:** Eye wash fountains and drench showers should be located within 100 feet or a 10 second walk of the work area per ANSI Z358.1-1990.

**Personal Protection in Case of Large Spill:** Splash goggles. Full suit. Boots, gloves.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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**Physical Appearance & Odor:** Green liquid with an ammonia-like odor.

**Boiling Point:** 212°F (100°C)

**pH:** 6–7.5 at 1 wt/wt%

**Solubility in Water:** Dispersible.

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## 10. STABILITY AND REACTIVITY

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

**Incompatibility:** Strong bases, strong oxidizing agents, acid anhydrides, chlorates, nitrates, alkali metals.

**Hazardous Decomposition Products:** Thermal decomposition may produce hydrogen cyanide, ammonia, oxides of nitrogen, oxides of sulfur, oxides of carbon and oxides of silicon.

**Hazardous Polymerization:** Will not occur.

**Conditions to Avoid:** Heat, open flame, ignition sources.

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## 11. TOXICOLOGICAL INFORMATION

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No toxicological data is available for this product.

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## 12. ECOLOGICAL INFORMATION

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No ecological data is available for this product.

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## 13. DISPOSAL CONSIDERATIONS

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**Disposal Methods:** Dispose of material in compliance with applicable federal, state and local environmental regulations. Recycle or rework material if at all possible. Incinerate material at an approved facility, or treat at an acceptable waste treatment facility or municipal waste treatment plant after proper testing and approval of waste samples.

**Container Reuse:** An empty container can contain product residue, and should be not reused. If not professionally cleaned and reconditioned, crushing or other means is recommended to prevent unauthorized reuse.

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## 14. TRANSPORT INFORMATION

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**DOT Status (Highway and rail):** Not regulated.

**IATA Status (Air):** Not regulated.

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**15. REGULATORY INFORMATION**

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<b>SARA HAZARD:</b>	Title III, Section 313: Contains no Section 313 listed substances subject to reporting.
<b>AICS (Australia):</b>	Components listed.
<b>DSL (Canada):</b>	Components listed.
<b>EINECS (Europe):</b>	Components listed.
<b>TSCA:</b>	Components listed.

**WHILE INFORMATION AND RECOMMENDATIONS SET FORTH HEREIN ARE BELIEVED TO BE ACCURATE AS OF THE DATE HEREON, PRECISION LABORATORIES, INC., MAKES NO WARRANTY WITH RESPECT THERETO AND DISCLAIMS ALL LIABILITY FROM RELIANCE THEREON.**

N/R—Not Rated  
N/D—Not Determined  
N/A—Not Applicable  
N/E—Not Established