

# MATERIAL SAFETY DATA SHEET

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Uniplex FE-700N

**Synonyms:** Fluoroalkyl Ethyl Stearate

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### MANUFACTURER:

Unitex Chemical Corporation

520 Broome Road  
P.O. Box 16344  
Greensboro, NC 27406

### EMERGENCY TELEPHONE NUMBERS:

Emergency Telephone Number: CHEMTREC 1 (800) 424-9300  
International 1 (703) 527-3887

Telephone Number for Information:  
(336) 378-0965 (Monday - Friday 8:00 a.m. - 5:00 p.m.)

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Components</u>	<u>% (optional)</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>CAS NO.</u>
Fluoroalkyl ethyl Stearate	> 95%	not established		65530-65-6
Methyl Stearate	< 5%	not established		112-61-8

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## 3. HAZARDS IDENTIFICATION

Emergency Overview: Do not breathe vapors; do not ingest; avoid contact with skin, eyes, or clothing. Wash thoroughly after handling; do not eat, drink, or smoke in work areas.

Potential Health Effects: May cause skin irritation. Inhalation of dust may cause irritation to the respiratory tract. Inhalation of large amounts of respirable particles may be toxic to lungs, symptoms may be modest at first; followed by severe shortness of breath requiring prompt medical attention.

Eye Contact: May cause burning sensation, irritation accompanied with pain and corneal or conjunctival ulceration in severe cases.

Skin Contact: May cause irritation, stinging, redness, and some swelling.

Ingestion: May cause severe burning in the mouth and digestive tract.

Chronic: None known.

## 4. FIRST AID MEASURES

**Product Name: Uniplex FE-700**

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Inhalation: Remove to fresh air if coughing, soreness in respiratory tract, chest tightness, or difficulty in breathing occurs. If breathing is difficult, give oxygen and seek prompt medical attention.

Eye Contact: Immediately flush with large quantities of water for at least 15 minutes, while holding the eyelids open. Do not attempt to neutralize with chemical agents. Contact a physician if irritation persists.

Skin Contact: Immediately remove contaminated clothing and flush area with large quantities of water for at least 15 minutes. Contact a physician if irritation persists.

Ingestion: If patient is conscious, give several glasses of water for dilution effect and contact a physician. Do not induce vomiting. Do not give an unconscious person anything by mouth.

**Note to Physicians: Activated charcoal mixture may be administered. To prepare activated charcoal mixture, suspend 50 grams activated charcoal in 400 ml water and mix thoroughly. Administer 5 ml/kg, or 350 ml for an average adult.**

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## 5. FIRE FIGHTING MEASURES

Flash Point: >93°C (>199°F) Cleveland open cup.

General Hazard: Hazardous decomposition products including carbon dioxide, carbon monoxide, hydrogen fluoride, toxic gases or particles may be formed during combustion. These products may cause severe eye, nose, throat, and lung irritation or toxic effects.

Fire Fighting Instructions: Extinguishing media--water fog or spray; carbon dioxide; foam; or earth and mud. Wear self-contained breathing apparatus.

Hazardous Combustion Products: Oxides of Carbon, Hydrogen fluoride, and other potentially toxic gases or particles. Avoid breathing decomposition products.

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## 6. ACCIDENTAL RELEASE MEASURES

Land Spill: Scrape up spilled material and dispose in accordance with all local, state, and federal regulations. If molten, allow to solidify then scrape up spill.

Water Spill: Remove product layered on water by mechanical means. Place spill in appropriate container for disposal in approved facilities.

**Product Name: Uniplex FE-700**

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## 7. HANDLING AND STORAGE

Storage Temperature: Ambient                      Storage Pressure: Pressureless

General: Store in cool, dry, and well-ventilated area. Keep containers closed. Keep away from open flames and heated surfaces above 200°C (392°F). Avoid circumstances that produce respirable particles unless suitable ventilation and respirator are used.

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## 8. EXPOSURE CONTROL/PERSONAL PROTECTION

Engineering Controls: Keep container tightly closed. Use only with adequate ventilation. Vent heated extruder or dryer fumes outside work area. Do not form aerosols. Minimize worker exposure to mists, sprays, and dusts.

Personal Protection: Splash-proof goggles with rubber, PVC, or impervious chemical gloves.

Respirator: None required. Use NIOSH organic vapor cartridge respirator with dust caps, as appropriate.

Protective Clothing: Impervious chemical clothing for remediation of large spills.

Exposure Guideline Comments: No AEL has been established for this product. Other products with fluorinated material components have AEL of 0.1 mg/m<sup>3</sup> (8 hour TWA) for respirable size particles.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

Vapor Pressure	: ND	Vapor Density (Air = 1)	: ND
Specific Gravity	: ND	Evaporation Rate	: <1
Solubility in Water	: Insoluble	Melting Point	: 30-45°C
pH	: NA	Odor	: Characteristic
Boiling Point	: ND	Appearance	: Light brown waxy solid
Viscosity	: ND	Physical State	: Waxy Solid

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## 10. STABILITY AND REACTIVITY

General: Stable

Incompatible Materials and Conditions to Avoid: None known

**Product Name: Uniplex FE-700**

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Hazardous Decomposition: Carbon dioxide, carbon monoxide, hydrogen fluoride, toxic gases or particles may be formed during combustion. These products may cause severe eye, nose, throat, and lung irritation or toxic effects.

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**11. TOXICOLOGICAL INFORMATION**

Oral ALD 7,500 mg/kg in rats. The product caused non-specific effects such as weight loss and irritation in animals exposed by ingestion. Based on related products, inhalation of spray or mist may cause nasal, throat, or lung irritation. Inhalation of large amounts of respirable particles may be toxic to the lungs. Symptoms may be modest initially, followed in hours by severe shortness of breath requiring prompt medical attention.

Carcinogenicity Information: None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA, AGCIH as a carcinogen.

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**12. ECOLOGICAL INFORMATION**

None known.

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**13. DISPOSAL CONSIDERATIONS**

This product is registered by TSCA. The product should be incinerated, according to state Federal regulations.

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**14. TRANSPORT INFORMATION**

Nonhazardous; not regulated by DOT.

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**15. REGULATORY INFORMATION**

This product is registered by TSCA. Uniplex FE-700 is not an acute hazardous substance as defined by Title III Hazard Classification Sections 311,312.

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## 16. OTHER INFORMATION

No specific notes.

MSDS Status: Update to ANS1 Z 400.1-1993 Format.

	HAZARD RATINGS	
	NFPA	HMIS
Health	1	1
Flammability	1	1
Reactivity	0	0

### Revision Summary:

2/6/03 J. Day      Correction Section 15  
6/15/09 D.Young    Reviewed