

# MATERIAL SAFETY DATA SHEET

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Uniplex FP-760 D (20% Dispersion in Water)

**Synonyms:** Fluoroalkyl Phosphate Dispersion in Water

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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.)

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## 2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Components</u>	<u>% (optional)</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>CAS NO.</u>
Fluoroalkyl (C <sub>8-12</sub> ) Phosphate (Di/Mono) Diethanolamine Salt (contains 3% Diethanolamine)	20%			65530-64-5 65530-63-4 111-42-2
Water	80%			7732-18-5

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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.

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#### **4. FIRST AID MEASURES**

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.

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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. The material should be stored in an area where it can be protected from freezing.

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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	: Dispersible	Melting Point	: NA
pH	: 7-9	Odor	: Characteristic
Boiling Point	: ND	Appearance	: Light brown liquid
Viscosity	: ND	Physical State	: Liquid

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**10. STABILITY AND REACTIVITY**

General: Stable

Incompatible Materials and Conditions to Avoid: None known

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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. RQ is 3300 pounds (as is).

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**15. REGULATORY INFORMATION**

This product is registered by TSCA. This product is not an acute hazardous substance as defined by Title III Hazard Classification Sections 311,312 (the product contains 3% by weight Diethanolamine).

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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:

10/28/02 Jim Day CAS revision  
2/6/03 Jim Day Correction Section 15  
1/16/04 Jim Day Stated RQ & Diethanolamine content.  
7/7/08 Jim Day Review Update