

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Uniplex FRP-64 P

Synonyms: Brominated aromatic ether with plasticizer

MANUFACTURER:

Unitex Chemical Corporation
520 Broome Rd.
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>
Poly (2,6 - Dibromophenylene) oxide	> 98%	15 mg/m ³	10 mg/m ³	69882-11-7
N-Butylbenzenesulfonamide	1.5%		Not Established	3622-84-2
Methanol	< 0.75	200 ppm	200 ppm	67-56-1
ortho-Xylene	< 0.25	100 ppm	100 ppm	95-47-6

3. HAZARDS IDENTIFICATION

Emergency Overview: Store in closed containers in cool, dry area. High temperature causes slow decomposition.

Potential Health Effects: Skin, eye, and respiratory tract irritation.

Eye Contact: May cause mild to moderate eye irritation.

Skin Contact: May cause skin irritation, especially on prolonged contact. Uniplex FRP-64 LD₅₀ (rabbits) is greater than 3000 mg/kg.

Ingestion: May cause gastrointestinal irritation, nausea, vomiting, and diarrhea. Uniplex FRP-64 oral LD₅₀ (rats) is 21,000 mg/kg. Xylene LD₅₀ (humans) is 50 mg/kg. Methanol LD₅₀ (humans) is 428 mg/kg.

Chronic: May aggravate existing skin, eye, and lung conditions.

4. FIRST AID MEASURES

Inhalation: Remove to fresh air if coughing, soreness in respiratory tract, chest tightness, or difficulty in breathing occurs. Long term exposure may cause pneumonia.

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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.

5. FIRE FIGHTING MEASURES

Flash Point: Not applicable

General Hazard: This product sinks in water.

Fire Fighting Instructions: Extinguishing media--water spray; carbon dioxide; foam; or dry chemical. Cool exposed containers with water spray. Wear self-contained breathing apparatus in confined areas.

Hazardous Combustion Products: Combustion in the presence of other materials may result in the release of Hydrogen Bromide and/or Bromide.

6. ACCIDENTAL RELEASE MEASURES

Land Spill: Sweep up spills and place in labeled waste container(s) for disposal.

Water Spill: Use appropriate containment to avoid runoff or release to sewer or waterways.

7. HANDLING AND STORAGE

Storage Temperature: Ambient Storage Pressure: Pressureless

General: Store in closed containers in a cool, dry area.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Engineering Controls: Local exhaust ventilation recommended to minimize dusting.

Personal Protection: Cup type safety goggles, with neoprene gloves.

Respirator: None required under normal conditions of use. Wear NIOSH approved dust respirator where dusting occurs.

Protective Clothing: Rubber or plastic apron.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Vapor Pressure	: Nil at 77°F	Evaporation Rate	: N/A
Specific Gravity	: 2.3	Melting Point	: N/A
Solubility in Water	: 1.6 ppm at 77°F	Physical State	: Powder
Boiling Point	: Decomposes 750-930°F	Odor	: Phenolic odor
Vapor Density (Air = 1)	: N/A		: Light Brown powder

10. STABILITY AND REACTIVITY

General: Stable. Hazardous polymerizing will not occur.

Incompatible Materials and Conditions to Avoid: None known. Combustion in the presence of other fuels may result in the release of hydrogen bromide.

Hazardous Decomposition: Hydrogen Bromide and /or Bromine may be released.

11. TOXICOLOGICAL INFORMATION

Not listed as a carcinogen by IARC, NTP, OSHA, or ACGIH.

Acute oral LD₅₀ (rats) is greater than 21.5g/kg. Acute dermal LD₅₀ (rabbits) is greater than 3g/kg. The compound is minimally irritating to the eye and is slightly irritating to the skin of rabbits. It is not a skin sensitizer to guinea pigs. No test animal deaths occurred during 6 hour inhalation exposure and 14 day post exposure period to the compound at a maximum concentration of 28.5 mg/L. The compound is judged non-mutagenic in the Ames test. A 28 day inhalation study in rats showed some instances of interstitial pneumonia at 1.25 mg/L. No acute health hazards other than irritation are known. Chronic inhalation of dust may cause respiratory effects.

12. ECOLOGICAL INFORMATION

Not available.

13. DISPOSAL CONSIDERATIONS

Dispose of waste in an approved chemical incinerator equipped with acid scrubber or in a chemical landfill as allowed by current laws and regulations.

14. TRANSPORT INFORMATION

Not regulated by DOT

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15. REGULATORY INFORMATION

Components are found in TSCA and DSL Inventory. Canadian WHMIS Hazard Class and Division = not controlled.

This product does not contain any ingredients subject to the reporting requirements of Section 313, Title III, Part 372.

This product is not listed in SARA Section 311/312.

This product is not FDA approved.

16. OTHER INFORMATION

National Fire Protection Association (NFPA) Rating:

<u>Health</u>	<u>Flammability</u>	<u>Reactivity</u>
1	0	0

Hazardous Materials Identification System (HMIS) Rating:

<u>Health</u>	<u>Flammability</u>	<u>Reactivity</u>
1	0	0

Revision Summary:

6/15/06 – Jim Day Review