

# MATERIAL SAFETY DATA SHEET

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Uniplex FRP-45

**Synonyms:** Di-2-ethylhexyl tetrabromo phthalate

---

### 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>
Di-2-ethylhexyl tetrabromo phthalate	> 99.5%	Not Established		26040-51-7

---

## 3. HAZARDS IDENTIFICATION

Emergency Overview: Not considered hazardous under normal conditions of use. Exposure to mist or spray may cause irritation of respiratory passages.

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.

Ingestion: May cause gastrointestinal irritation, nausea, vomiting, and diarrhea.

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

**Product Name: Uniplex FRP-45**

---

**4. FIRST AID MEASURES**

Inhalation: Remove to fresh air if coughing, soreness in respiratory tract, chest tightness, or difficulty in breathing occurs.

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: > 510°F (> 265°C) COC.

Autoignition Temperature: ND

General Hazard: This product sinks in water. Treat as burning oil.

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.

---

**6. ACCIDENTAL RELEASE MEASURES**

Land Spill: Stop leaks. Clean up large spills with a vacuum truck. Soak up small spills with absorbent material and place in labeled waste container(s) for disposal. Wear adequate personal protective clothing and equipment.

Water Spill: Stop leaks. Vacuum off top oily layer from water and place in labeled waste container(s) for disposal.

---

**7. HANDLING AND STORAGE**

Storage Temperature: 30°C

Storage Pressure: Pressureless

General: Always mix well before using. Product may congeal or stratify if cold. Warm to 86°F (30°C) and mix well before using.

---

**Product Name: Uniplex FRP-45**

---

## 8. EXPOSURE CONTROL/PERSONAL PROTECTION

Engineering Controls: Local exhaust ventilation recommended.

Personal Protection: Chemical splash-proof goggles, with rubber, PVC, or plastic gloves.

Respirator: None required under normal conditions of use. NIOSH/MSHA-approved organic vapor cartridge respirator can be used.

Protective Clothing: Standard work clothing and work shoes/boots.

---

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Vapor Pressure	: < 0.001 mHg @ 25°C	Vapor Density (Air = 1)	: ND
Specific Gravity	: 1.5	Evaporation Rate	: < 1
Solubility in Water	: Insoluble	Freezing Point	: Approximately - 20°C
pH	: 8 - 10	Odor	: Characteristic
Boiling Point	: > 400°C	Appearance	: Clear, yellow liquid
Viscosity	: ND	Physical State	: Liquid

---

## 10. STABILITY AND REACTIVITY

General: Stable. Hazardous polymerizing will not occur.

Incompatible Materials and Conditions to Avoid: Strong alkalis may cause hydrolysis and the release of bromine.

Hazardous Decomposition: Hydrogen Bromide and oxides of Carbon (Carbon Monoxide/Carbon Dioxide).

---

## 11. TOXICOLOGICAL INFORMATION

Not listed as a carcinogen by IARC, NTP, OSHA, or ACGIH. Oral LD<sub>50</sub> (rats) is >5000 mg/kg. Dermal LD<sub>50</sub> (rabbit) is 2000 mg/kg.

---

## 12. ECOLOGICAL INFORMATION

Not available.

---

**Product Name: Uniplex FRP-45**

---

### 13. DISPOSAL CONSIDERATIONS

Dispose of product in an approved chemical waste landfill, or incinerate, in accordance with applicable Federal, State, and local regulations.

---

### 14. TRANSPORT INFORMATION

Not regulated by DOT.

---

### 15. REGULATORY INFORMATION

Components are found in TSCA Inventory.

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.

---

### 16. OTHER INFORMATION

National Fire Protection Association (NFPA) Rating:

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

Hazardous Materials Identification System (HMIS) Rating:

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

Revision Summary:

1/26/98 - J. Day

3/5/01 - J. Day (Section 11)

6/13/06 – J. Day