

# MATERIAL SAFETY DATA SHEET

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Uniplex 400

**Synonyms:** Polypropylene Glycol Dibenzoate

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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>
Polypropylene Glycol Dibenzoate	> 99%	Not Established		72245-46-6

## 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 mist may cause irritation to the respiratory tract. Acute inhalation toxicity (4 hour exposure in rats) has LC<sub>50</sub> greater than 5.38 mg/L.

**Eye Contact:** May cause burning sensation, irritation accompanied with pain.

**Skin Contact:** May cause irritation, stinging, redness, and some swelling. Acute dermal toxicity (LD<sub>50</sub>) in rabbits is greater than 2000 mg/kg. Dermal sensitization studies in guinea pigs shows this product to be not a skin sensitizer.

**Ingestion:** May cause sever burning in the mouth and digestive tract. Acute oral toxicity (LD<sub>50</sub>) in rats is greater than 5000 mg/kg.

**Chronic:** This product has been shown to be non-mutagenic in the "standard" Ames Test.

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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.

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.

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#### **5. FIRE FIGHTING MEASURES**

Flash Point: 465°F (> 240°C) Cleveland Open Cup

General Hazard: Treat as burning oil.

Fire Fighting Instructions: Extinguishing media--water fog or spray; carbon dioxide; foam; or earth and mud.

Hazardous Combustion Products: Oxides of Carbon.

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#### **6. ACCIDENTAL RELEASE MEASURES**

Land Spill: Evacuate area of nonessential personnel. Ventilate area as required. Prevent spill from entering drinking water supplies or streams.

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.

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## 8. EXPOSURE CONTROL/PERSONAL PROTECTION

Engineering Controls: Control to comfort level.

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

Respirator: None required. Use NIOSH organic vapor cartridge respirator for remediation of large spills.

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

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

Vapor Pressure	: <u>ND</u>	Vapor Density (Air = 1)	: <u>ND</u>
Specific Gravity	: <u>1.103</u>	Evaporation Rate	: <u>ND</u>
Solubility in Water	: <u>Slightly soluble</u>	Freezing Point	: <u>-38°C</u>
pH	: <u>NA</u>	Odor	: <u>Characteristic</u>
Boiling Point	: <u>262°C at 5mmHg</u>	Appearance	: <u>Clear, colorless liquid</u>
Viscosity	: <u>ND</u>	Physical State	: <u>Liquid</u>

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## 10. STABILITY AND REACTIVITY

General: Stable.

Incompatible Materials and Conditions to Avoid: None known.

Hazardous Decomposition: None known.

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## 11. TOXICOLOGICAL INFORMATION

None established. Not listed as a carcinogen by IARC, ACGIH, NTP, or OSHA.

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## 12. ECOLOGICAL INFORMATION

None known.

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**Product Name: Uniplex 400**

### 13. DISPOSAL CONSIDERATIONS

This product is registered by TSCA and NDSL. 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. The product is listed in NDSL (Canada) in the Canada Gazette, Part I, January 31, 1998. Uniplex 400 is not a hazardous substance as defined by OSHA (20 CFR 1910.1200).

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### 16. OTHER INFORMATION

WHMIS Information: The Canadian Workplace Hazardous Information System (WHMIS) Classification for this product is:

D2A - may cause respiratory tract sensitization following exposure to hot vapors.

MSDS Status: Update to ANS1Z400.1-1993 format.

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

Revision Summary:

1/26/98 - J. Day

8/3/98 - J. Day (Area Code Chg.)

9/10/98 - J. Day

2/3/99 - J. Day

5/11/04 - J. Day

6/23/09 – D.Young