

# MATERIAL SAFETY DATA SHEET

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Uniplex 512

**Synonyms:** Neopentyl 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>
Neopentyl Glycol Dibenzoate	> 99%	Not Established		4196-89-8

## 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.

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. LD<sub>50</sub>(rats,oral) is greater than 6g/Kg body weight. Dermal toxicity (LD<sub>50</sub>, rabbits) is greater than 20g/Kg body weight. This product has been shown to be neither a eye or skin irritant in rabbits.

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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: 424°F (218°C) Cleveland open cup.

General Hazard: Handle as burning oil. Dust from product may form an explosive mixture in air as with any organic material.

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: 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.

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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 with dust caps 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>0.95x10<sup>-6</sup> mmHg at 25°C</u>	Vapor Density (Air = 1)	: <u>ND</u>
Specific Gravity	: <u>1.215</u>	Evaporation Rate	: <u>ND</u>
Solubility in Water	: <u>Insoluble</u>	Freezing Point	: <u>49°C</u>
pH	: <u>NA</u>	Odor	: <u>Mild</u>
Boiling Point	: <u>150°C at 0.01 mmHg</u>	Appearance	: <u>White light to yellow solid</u>
Viscosity	: <u>40cP at 50°C</u>		: <u>at 25°C</u>
		Physical State	: <u>Solid at 25°C</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, NTP, OSHA, or ACGIH. LD<sub>50</sub> (rats, oral) is greater than 6g/Kg body weight. Dermal toxicity (LD<sub>50</sub>, rabbits) is greater than 20g/Kg body weight.

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## 12. ECOLOGICAL INFORMATION

This product is not classified as harmful to aquatic life and is highly biodegradable.

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### 13. DISPOSAL CONSIDERATIONS

This product is registered by TSCA. EINECS No. is 224-081-9. The product should be incinerated, according to state Federal regulations.

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### 14. TRANSPORT INFORMATION

Nonhazardous; not regulated by DOT. Uniplex 512 is not classified as dangerous under UK or International Regulations.

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### 15. REGULATORY INFORMATION

This product is registered by TSCA. Uniplex 512 is not a hazardous substance as defined by OSHA (29 CFR 1910.1200). This product is not classified under CHIP Regulations for supply.

Safety Phrases:

S 22 Do not breathe dust.

S 24/25 Avoid contact with skin and eyes.

S 37/39 Wear suitable gloves and eye protection.

Uniplex 512 is listed for food packaging adhesives in 21 CFR 175.105

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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:

1/26/98 - J. Day

6/23/98 - J. Day

9/17/98 - J. Day

5/11/04 – J.Day

6/23/09 – D.Young