



# MATERIAL SAFETY DATA SHEET

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Uniplex 125A

**Synonyms:** Dioctyl Adipate, Di(2 Ethylhexyl Adipate)

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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>
Di(2-Ethylhexyl Adipate)	> 99%	Not Established		103-23-4

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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 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> (Oral Rat) is 9.1g/KG. LD<sub>50</sub> (Dermal, Rabbit) is 16.3 ml/kg. Eyes and skin (Rabbit): Slightly irritating.

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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: 402°F (206°C) Cleveland Open Cup

Lower Explosive Limit (LEL): 0.38%

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. The product sinks in water. 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>2.4 mm at 200°F</u>	Vapor Density (Air = 1):	<u>&gt; 1</u>
Specific Gravity	<u>0.93 at 20°C</u>	Evaporation Rate	: <u>0.05</u>
Solubility in Water	<u>Insoluble</u>	Freezing Point	: <u>ND</u>
pH	<u>NA</u>	Odor	: <u>Characteristic</u>
Boiling Point	<u>214° C at 5mm Hg</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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### 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.

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### 15. REGULATORY INFORMATION

This product is registered by TSCA. Uniplex 125A is not a hazardous substance as defined by OSHA (20 CFR 1910.1200).

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### 16. OTHER INFORMATION

No specific notes.

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

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

Revision Summary:  
9/10/93 - G. Hooper  
3/11/97 - J. Day  
1/26/98 - J. Day  
5/11/04 - J. Day