

# MATERIAL SAFETY DATA SHEET

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Uniplex 160

**Synonyms:** Di-n-Butyl Adipate, Hexanedioic acid dibutyl ester

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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> |
|--------------------|---------------------|-----------------|------------------|----------------|
| Di-n-Butyl Adipate |                     |                 | Not established  | 105-99-7       |

## 3. HAZARDS IDENTIFICATION

Emergency Overview: Clear, oily liquid may cause mild eye irritation. 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 and eye irritation. Inhalation of mist may cause irritation to the respiratory tract.

Eye Contact: May cause burning sensation; flush eyes with large amounts of water.

Skin Contact: Repeated or prolonged skin contact may cause irritation.

Chronic: None known.

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#### **4. FIRST AID MEASURES**

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

Eye Contact: Flush eyes holding the eyelids open with large amounts of water until irritation subsides. If irritation persists, seek medical attention.

Skin Contact: Remove contaminated clothing and wash thoroughly with soap and water. Seek medical attention if irritation persists.

Ingestion: If patient is conscious, give several glasses of water for diluent effect and seek medical attention. Do not induce vomiting. Do not give an unconscious person anything by mouth.

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

Flash Point: 320°F Cleveland Open Cup

General Hazard: Treat as burning oil.

Fire Fighting Instructions: Extinguish with CO<sub>2</sub>, dry chemical, alcohol foam or foam. **DO NOT** use water, water may cause frothing.

Hazardous Combustion Products: Carbon Dioxide, Carbon Monoxide.

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

Land Spill: Absorb with sand or other absorbent material. Shovel into containers for disposal. Ventilate as required.

Water Spill: Remove product layered on water by mechanical means. Place spill in approved containers for disposal in approved waste disposal facilities.

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#### **7. HANDLING AND STORAGE**

Storage Temperature: Ambient                      Storage Pressure: Ambient

General: General warehousing conditions are satisfactory for this material.

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## 8. EXPOSURE CONTROL/PERSONAL PROTECTION

Engineering Controls: Local exhaust ventilation is recommended to keep exposure below OSHA levels.

Personal Protection: If concentrations are over exposure limit, use OSHA-approved respirator.

Respirator: Use NIOSH organic vapor cartridge respirator for remediation of large spills.

Protective Clothing: Splash proof goggles and impervious chemical gloves. Exercise good chemical handling practice.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

|                     |                              |                         |                                     |
|---------------------|------------------------------|-------------------------|-------------------------------------|
| Vapor Pressure      | : <u>&lt;0.01 mm at 20°C</u> | Vapor Density (Air = 1) | : <u>NA</u>                         |
| Specific Gravity    | : <u>Approx. 0.9538</u>      | Evaporation Rate        | : <u>&lt; 1 (Butyl Acetate = 1)</u> |
| Solubility in Water | : <u>&lt; 0.1%</u>           | Freezing Point          | : <u>NA</u>                         |
| pH                  | : <u>NA</u>                  | Odor                    | : <u>low odor</u>                   |
| Boiling Point       | : <u>&gt;300°C</u>           | Appearance              | : <u>Clear, oily liquid</u>         |
| Viscosity           | : <u>NA</u>                  | Physical State          | : <u>Liquid</u>                     |

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## 10. STABILITY AND REACTIVITY

General: Stable under normal warehousing, handling, and use conditions.

Incompatible Materials and Conditions to Avoid: Strong bases, strong acids.

Hazardous Decomposition: Carbon Dioxide and Carbon Monoxide.

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## 11. TOXICOLOGICAL INFORMATION

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

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## 12. ECOLOGICAL INFORMATION

Not established.

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### 13. DISPOSAL CONSIDERATIONS

This product is registered by TSCA,DSL,EINECS,ECL,ENCS,PICCS, and AICS. Dispose in accordance with all local, state, and federal regulations.

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### 14. TRANSPORT INFORMATION

Not regulated by DOT.

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### 15. REGULATORY INFORMATION

This product is registered by TSCA. This product is not hazardous as defined by OSHA (29 CFR 1910.1200).

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### 16. OTHER INFORMATION

Uniplex 160 is not listed by IARC, ACGIH, NPT, or OSHA as a carcinogen.

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

#### Revision Summary:

4/18/06 – Reviewed (no changes)

6/23/09 - Reviewed