

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Uniplex 110

Synonyms: Dimethyl Phthalate/DMP

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>
Dimethyl Phthalate	> 99	5mg/m ³	5mg/m ³	131-11-3

3. HAZARDS IDENTIFICATION

Emergency Overview: Clear, oily liquid, may be irritating to mucous membranes and eyes; can cause central nervous system depression when ingested. Normally, not irritating to, or absorbed through the skin.

Potential Health Effects: High vapor concentrations are irritating to nose, throat, lungs, and eyes. May cause depression of central nervous system, if swallowed.

Eye Contact: Irritating, but no permanent damage if washed out from eyes promptly with water.

Skin Contact: May be mildly irritating to the skin.

Ingestion: **DO NOT INGEST.** May cause central nervous system depression.

Chronic: ND (Not determined)

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4. FIRST AID MEASURES

Inhalation: Remove victim to fresh air; give artificial respiration if breathing has stopped. Get medical attention promptly.

Eye Contact: Flush eyes with large amounts of water until irritation subsides. If irritation persists, get medical attention.

Skin Contact: Wash thoroughly with soap and water. Remove contaminated clothing and wash before reuse. If irritation persists, get medical attention.

Ingestion: If swallowed, do not induce vomiting; get prompt medical attention.

5. FIRE FIGHTING MEASURES

Flash Point: 295°F (COC)

General Hazard: Uniplex 110 will burn if involved in fire; Carbon Dioxide and Carbon Monoxide will be formed upon combustion.

Fire Fighting Instructions: Extinguish with water fog or spray, CO₂, dry chemical, foam, or earth/mud. **DO NOT** use direct water stream, as material will be spread--treat as burning oil.

Hazardous Combustion Products: Carbon Dioxide, Carbon Monoxide.

6. ACCIDENTAL RELEASE MEASURES

Land Spill: Notify appropriate authorities immediately if Reportable Quantity (RQ) of 5000 lb. (2270 Kg) is exceeded. Contain spill and pump into containers for disposal. Avoid runoff into sewers and storm drains.

Contain small spills and absorb with an inert material, such as sand or vermiculite.

Water Spill: Remove from water surface by skimming or with suitable absorbents, such as straw.

7. HANDLING AND STORAGE

Storage Temperature: Ambient Storage Pressure: Pressureless

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 limits--see Section 2 for exposure guidelines.

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

Respirator: Use OSHA-approved respirator if concentrations are above exposure limits--See Section 2.

Protective Clothing: Splash proof goggles and vinyl, or rubber gloves. Exercise good chemical handling practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Vapor Pressure	: <0.01 mm at 20°C	Vapor Density (Air = 1)	: 6.61
Specific Gravity	: Approx. 1.190	Evaporation Rate	: < 1 (Butyl Acetate = 1)
Solubility in Water	: 0.43 g/100ml	Freezing Point	: Approx. 0°C
pH	: NA	Odor	: Mild, characteristic ester odor
Boiling Point	: 136°C at 5 mm Hg	Appearance	: Clear, oily liquid
Viscosity	: Approx. 14-15 cps	Physical State	: Liquid

10. STABILITY AND REACTIVITY

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

Incompatible Materials and Conditions to Avoid: Strong oxidizing agents.

Hazardous Decomposition: Carbon Dioxide and Carbon Monoxide.

11. TOXICOLOGICAL INFORMATION

Oral LD₅₀ (Rat): 6.9 ml/Kg. Dermal LD₅₀ (Rabbit): > 10 ml/Kg (highest dose tested).

Skin Sensitization (Guinea Pig): None. Skin sensitization (Human): None.

Eye Irritation (Rabbit): Slight. Eye Irritation (Human): Slight.

12. ECOLOGICAL INFORMATION

BOD (5-day): 1.18g oxygen/g. COD: 1.7g oxygen/g.

Acute Aquatic Effects: 48 hour EC-50 (daphnia): > 52 ml/L

96 hour LC-50 (Fathead Minnow): 120 mg/L

13. DISPOSAL CONSIDERATIONS

Incineration by a permitted hazardous waste facility in accordance with all local, state, and federal regulations is the preferred method of disposal.

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14. TRANSPORT INFORMATION

DOT shipping Name: "Environmentally Hazardous Substance, Liquid, N.O.S., 9, UN 3082, PG III, RQ (Dimethyl Phthalate)".
Hazard Class: 9 Identification No. UN 3082
Emergency Response Guide #171
IMDG Status: Not Regulated
TDG (Canada): Not Regulated

15. REGULATORY INFORMATION

OSHA Status: This product is a hazardous chemical under 29 CFR 1200.
TSCA Status: Registered on TSCA Inventory
CERCLA Reportable Quantity: 5000lb. (2270 Kg)
SARA Title III:
Section 302 Extremely Hazardous Substances: None
Sections 311/312 Hazard Categories: Immediate Health Hazard/Delayed Health Hazard
Section 313 Toxic Chemicals: Reportable
RCRA Status: Hazardous Waste Code U102.
California Proposition 65: Not included on the list of chemicals known to the State to cause cancer or reproductive toxicity.
Massachusetts Substance List: Dimethyl Phthalate
New Jersey Workplace Hazardous Substance List: Dimethyl Phthalate
Pennsylvania Hazardous Substance list: Dimethyl Phthalate.
WHMIS (Canada) Ingredient Disclosure list: Dimethyl Phthalate.
WHMIS (Canada) Status: Non controlled

16. OTHER INFORMATION

Dimethyl Phthalate is not listed by IARC, ACGIH, NTP, or OSHA as a carcinogen.

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

Revision Summary:

1/7/97 - Update to 1996 North American Emergency Response Guidebook
3/11/97 - J. Day
1/26/98 - J. Day
8/3/98 - J. Day (Area Code Chg.)
5/11/04 – J. Day
6/23/09 – D.Young