

# MATERIAL SAFETY DATA SHEET

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Uniplex 270

**Synonyms:** Dimethyl Isophthalate, DMIP

---

### 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 Isophthalate	> 99%	None	Established	1459-93-4

## 3. HAZARDS IDENTIFICATION

Emergency Overview: In molten form, Uniplex 270 causes burns to all contacted areas. Do not breathe vapors. In solid form, do not breath dusts.

Potential Health Effects: May cause skin and eye irritation. Inhalation of dust may cause irritation to the respiratory tract.

Eye Contact: May cause burning sensation and irritation.

Skin Contact: May cause skin irritation. If molten material contacts skin it may cause blistering.  
- - DO NOT remove the solidified material as it may remove skin.

Ingestion: DO NOT INGEST. May cause irritation of mouth and digestive tract.

Chronic: No known effects.



**Product Name: Uniplex 270**

---

## 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 approved dust mask when handling solid material.

Protective Clothing: Splash proof goggles and rubber or PVC gloves. Use good chemical handling practices.

---

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Vapor Pressure	: <u>13 mmHg at 150°C</u>	Vapor Density (Air = 1)	: <u>ND</u>
Density	: <u>Solid powder 58.29</u>	Evaporation Rate	: <u>&lt; 1 (Butyl Acetate = 1)</u>
	<u>lb/cubic foot</u>	Freezing Point	: <u>Approx. 66°C</u>
	<u>1.058g/ml @ 72°C</u>	Odor	: <u>Mild</u>
Solubility in Water	: <u>Practically insoluble</u>	Appearance	: <u>Clear liquid when molten</u>
pH	: <u>NA</u>		<u>White solid</u>
Boiling Point	: <u>ND</u>	Physical State	: <u>Solid (clear liquid when</u>
Viscosity	: <u>ND</u>		<u>molten)</u>

---

## 10. STABILITY AND REACTIVITY

General: Stable

Incompatible Materials and Conditions to Avoid: Strong oxidizing agents.

Hazardous Decomposition: Oxides of carbon (carbon dioxide and carbon monoxide).

---

## 11. TOXICOLOGICAL INFORMATION

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

---

## 12. ECOLOGICAL INFORMATION

None known.

---

**Product Name: Uniplex 270**

---

### **13. DISPOSAL CONSIDERATIONS**

Incineration is the recommended method of disposal in accordance with all local, state and federal regulations.

---

### **14. TRANSPORT INFORMATION**

This material is not regulated by DOT.

---

### **15. REGULATORY INFORMATION**

U.S. REGULATIONS:

TSCA INVENTORY STATUS: Y

TSCA 12 (b) EXPORT NOTIFICATION: Not Listed.

CERCLA SECTION 103 (40CFR302.4): N

SARA SECTION 302 (40CFR355.30): N

SARA SECTION 304 (40CFR355.40): N

SARA SECTION 313 (40CFR372.65): N

SARA HAZARD CATEGORIES, SARA SECTIONS 311/312 (40CFR370.21) :

ACUTE: Y

CHRONIC: N

FIRE: N

REACTIVE: N

SUDDEN RELEASE: N

OSHA PROCESS SAFETY (29CFR1910.119): N

STATE REGULATIONS:

California Proposition 65: N

EUROPEAN REGULATIONS:

EC NUMBER (EINECS): 215-951-9

EC RISK AND SAFETY PHRASES:

R 36

Irritating to eyes.

R 37

Irritating to respiratory system.

**Product Name: Uniplex 270**

---

S 24	Avoid contact with skin.
S 25	Avoid contact with eyes.
S 26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S 46	If swallowed, seek medical advice immediately and show this container or label.

---

**16. OTHER INFORMATION**

MSDS Status: Update to ANSI Z 400.1-1993 Format.

	HAZARD RATINGS	
	NFPA	HMIS
Health	2	2
Flammability	1	1
Reactivity	0	0

Revision Summary:

1/9/97 - Revised by: M.E. Hooper

3/3/97 - Revised by: M.E. Hooper

Page 3, Section 8; OSHA corrected to read NIOSH

Page 3, Section 11; NPT corrected to read NTP

1/26/98 - J. Day

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

8/30/99 - J. Day (NFPA chg. Health) Revised section 15

5/11/04 - J. Day

7/08/09 - D. Young