

Arichem, LLC
MATERIAL SAFETY DATA SHEET
DIPHENYL ISOPHTHALATE

SECTION 1 MATERIAL IDENTIFICATION

Specification number: 27
Manufacturer: Arichem, LLC
187 Sloss Industries Rd.
Ariton, AL 36311

Phone numbers: Product Information: 334/762-2314
8:00 AM to 4:30 PM Monday thru Friday
24Hr contact: 333/762-2314
Transport Emergencies:
Call CHEMTREC: 1/800/424-9300

DOT number: not established

Product name: Diphenyl Isophthalate

CAS name: 1,3-Benzene Dicarboxylic Acid, Diphenyl Ester

CAS number: 744-45-6

Formula:

NFPA rating: Health 1; Flammability 1; Reactivity 0

HMIS rating: Health 1; Flammability 1; Reactivity 0; Personal
Protection 1

Synonyms: DPIP

SECTION 2 COMPONENTS

Material	CAS#	%by wt.
Diphenl Isophthalate	744-45-6	99

This material is listed on the TSCA inventory. See Sections 3,8, and 11 for exposure limits.

SECTION 3 HAZARD IDENTIFICAITON

EMERGENCY OVERVIEW
An odorless white crystalline solid.

HEALTH:
Diphenyl isophtalate may bring irritation to the respiratory tract, skin and eyes. Avoid breathing dust. Avoid contact with skin or eyes.

Effects of Contact:
Eyes and Skin: Avoid contact. Diphenyl isophtlate may cause irritation.
Ingestion: The effects of ingestion are not known. Contact medical
immediately.
Inhalation: Avoid breathing dust. May cause irritation to the respiratory tract.
Carcinogen:
Not NTP, OSHA, or IARC does not list this material as a carcinogen.

SECTION 4 FIRST AID

Eyes or skin contact:

In the event of contact with the eyes or skin immediately begin flushing with water. Continue for at least 20 minutes. It is preferable to use cool water, not hot or cold. Water extreme temperatures can cause additional injuries.

Ingestion:

If swallowed DO NOT INDUCE VOMITING. Get trained medical help immediately. If medical help is not available, one or two glasses of milk or Water may be given. Do not exceed two glasses and never give anything To an unconscious person to or by mouth.

Inhalation:

In the event of exposure to concentrated vapors, immediately move the exposed person to fresh air. If they are not breathing give artificial respiration. If breathing appears difficult give oxygen. Call for trained medical help.

In all cases get trained medical help immediately.

SECTION 5 FIRE AND EXPLOSION DATA

Flash point: 320 F (150 C)

Flammable limits (air % by vol):

a. Lower explosive limit: not established

b. Upper explosive limit: not established

Autoignition: not established

Extinguishing media:

Small Fires: Dry chemical, CO2, water fog, regular foam

Large Fires: Use water spray, fog or regular foam

Fire and Explosion:

1. Slight fire hazard when exposed to heat or flame.
2. Combustion products may include toxic oxides of carbon.

Fire Fighting Instructions:

1. Remove container from fire area if it can be done safely.
2. Do not scatter spilled material with high-pressure water streams.
3. Dike fire-control water for later disposal. See Section 13
4. Avoid breathing hazardous vapors, keep upwind.

SECTION 6 ACCIDENTAL RELEASE MEASURES

1. Do not touch or walk through spilled material.
2. Sweep up and place in suitable clean, dry containers for reclamation or later disposal.
3. Do not flush spilled material into sewer.
4. Keep unauthorized people away from the spilled area.
5. Do not leave spill unattended. Wear adequate personal protection while working with the spill.

SECTION 7 HANDLING AND STORAGE

Handling:

1. In routine handling of closed containers use chemical resistant goggles, gloves and an apron.

Storage:

1. Store in a cool, dry place.
2. Stores separate from incompatible substances.
3. Keep containers tightly sealed.

SECTION 8 EXPOSURE CONTROLS/ PERSONAL PROTECTION

1. Where adequate ventilation is not possible, a NOSH/MSHA approved dust/mist respirator or an air lined supplied respirator should be used. The type respirator necessary varies with circumstances.
2. The employee must wear splash-proof or dust resistant safety goggles to prevent contact with this substance.
3. Emergency eye wash and drench showers are recommended.
4. Chemically protective clothing and gloves are recommended.

Exposure limits:

OSHA, ACGIH, or NIOSH has established no exposure limits.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance: White crystalline solid
Odor: aromatic
Physical state: Solid
Acid number, (MEQ/Kg): 3
Vapor density (air =1): not established
Boiling Point: 536 F (>280 C)
Melting point: 286-288 F (141-142 C)
Solubility in water: negligible
Specific gravity (H2O=1): N/A

SECTION 10 STABILITY AND REACTIVITY

- a. Stability: Stable
- b. Hazardous Polymerization: Will not occur under normal temperatures and pressures.
- c. Incompatibility: keep away from strong oxidizers, excessive heat, sparks, or open flame. Possibility of explosion reaction with ester nitrates.
- d. Decomposition Products: Toxic oxides of carbon may evolve.

SECTION 11 TOXICOLOGICAL INFORMATION

None available.

SECTION 12 ECOLOGICAL INFORMATION

Environmental hazard. Keep out of waterways.

SECTION 13 DISPOSAL INFORMATION

Observe all federal, state and local regulations when disposing of this material.

SECTION 14 TRANSPORTATION INFORMATION

Proper shipping name: not established
Hazard class: not established
UN no: not established
DOT/IMO label: not established
Special provisions: not established

Packaging:

- a. Group: not established
- b. authorization: not established
- c. exceptions: not established

Quantity limitations: not established

- a. passenger, aircraft or rail: not established
- b. cargo only, aircraft: not established

Storage provisions: not established

SECTION 15 REGULATORY INFORMATION

TSCA STATUS:	Y
CERCLA RQ:	NONE
SARA TITLE III:	NONE
Section 302 TPQ:	NONE
Section 304 EHS:	NONE
Section 311/312:	NONE
Section 313:	NO
RCRA WASTE NO:	NO
California Proposition 65:	NO
WHIMS:	NO

SECTION 16 OTHER INFORMATION

Section(s) revised: All revised to new format and to include most up to date information.

MSDS date: 3/9/01

Supercedes date: 5/13/98

The data of the Material Safety Data Sheet relates to the specific material designated herein and does not relate to use in combination with any other material. While the data contained herein is based on technical data that Arichem, LLC believes to be reliable, it is intended for use by persons having technical skill and at their own discretion and risk.

Author: Mike Griffin, Director Env/Safety, Chemical Div MSDS Date: 3/9/01

Revision: 1 Supercedes MSDS Date: 5/13/98

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