



## DATA SHEET

### SECTION 1: CHEMICAL PRODUCT

Product Name: Diisooctyl phthalate  
Product Code: D32365

### SECTION 2: COMPOSITION/INFORMATION on INGREDIENTS

Chemical Name: Diisooctyl phthalate  
Synonyms: 1,2-Benzenedicarboxylic acid, diisooctyl ester; Corflex 880; Flexol; Plasticizer DIOP; Hexaplas M/O; Isooctyl phthalate; Phthalic acid, bis(6-methylheptyl)ester  
CAS Number: 27554-26-3  
MDL Number: Not Available  
EC Number: 248-523-5  
Beilstein Reg. Number: Not Available  
Molecular Formula: C<sub>24</sub>H<sub>38</sub>O<sub>4</sub>  
Molecular Weight: 390.56

### SECTION 3: HAZARDS IDENTIFICATION

Acute Health Hazard: Irritant to eyes, skin, mucous membranes and respiratory system. May be harmful by ingestion, inhalation or skin absorption.  
Chronic Health Hazard: Harmful. possible risk of impaired fertility. Possible risk of harm to the unborn child. probable Carcinogen  
HMIS Rating: H:3 F:0 R:0  
NFPA Rating: H:3 F:0 R:0

To the best of our knowledge, the toxicological properties of this chemical have not been thoroughly investigated. Use appropriate procedures and precautions to prevent or minimize exposure.

#### **SECTION 4: FIRST AID MEASURES**

<u>Eye Contact:</u>	Flush eyes with large amounts of water for fifteen minutes. Separate eyelids with fingers. If irritation persists, seek medical attention.
<u>Skin Contact:</u>	Wash skin with soap and water. If irritation persists, seek medical attention.
<u>Ingestion:</u>	Do not induce vomiting. Seek medical attention.
<u>Inhalation:</u>	Move to a fresh air environment. Contact a physician if breathing becomes difficult.

#### **SECTION 5: FIRE FIGHTING MEASURES**

<u>Flash Point:</u>	113 °C
<u>Explosion Limits:</u>	Lower: Not Available Upper: Not Available
<u>Auto Ignition Temperature:</u>	Not Available
<u>Extinguishing Media:</u>	Carbon dioxide, dry chemical powder or foam, water spray.
<u>Protective Equipment:</u>	Wear self-contained respirator and fully protective impervious suit.
<u>Specific Hazards:</u>	Emits toxic fumes under fire conditions.

#### **SECTION 6: ACCIDENTAL RELEASE MEASURES**

<u>Personal Protection:</u>	Wear a self-contained breathing apparatus, rubber boots and gloves, and disposable coveralls. Dispose of coveralls after use. Keep unprotected persons away.
<u>Environmental Protection:</u>	Keep spills out of sewers and bodies of water. Dike and contain the spill with inert material. Absorb on sand, vermiculite or diatomite. Transfer material to a container for disposal or recovery. Ventilate area and wash spill site after material pickup is complete.

#### **SECTION 7: HANDLING and STORAGE**

<u>Handling:</u>	Avoid breathing dust, vapor, mist or gas. Avoid contact with skin and eyes. Avoid prolonged or repeated exposure. Use only in a chemical fume hood. Open and handle container with care. Keep ignition sources away.
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Storage: Store in a tightly closed container in a dry, well-ventilated place.

Storage Temperature: 15 - 30°C

## **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

Eyes: Wear appropriate protective eyeglass or chemical safety goggles. Eyewash facility in vicinity.

Skin: Wear impervious gloves and protective clothing.

Respiratory: Use a NIOSH approved respirator when exposure limits are exceeded or if irritation or other symptoms are experienced.

<u>Exposure Limits:</u>	<u>Country</u>	<u>Source</u>	<u>Type</u>	<u>Value</u>
	USA	ACGIH	TWA	Not Available
	USA	OSHA	PEL	Not Available

## **SECTION 9: PHYSICAL and CHEMICAL PROPERTIES**

Appearance: Clear Colorless Viscous Liquid

Odor: Not Available

Melting Point: Not Available

Boiling Point: 236 °C at 5mmHg

Density: 0.982

Refractive Index, n<sup>20</sup><sub>D</sub>: 1.4860

Viscosity: Not Available

Solubility in Water: Not Available

## **SECTION 10: STABILITY and REACTIVITY**

Stability: Stable under normal temperatures and pressures.

Incompatibility: Strong oxidizing agents.

## **SECTION 11: TOXICOLOGICAL INFORMATION**

RTECS Number: TI1300000

Target Organs: Liver

## **SECTION 12: ECOLOGICAL INFORMATION**

Not Available

## **SECTION 13: DISPOSAL CONSIDERATIONS**

Contact a licensed professional waste disposal service. Dispose in a manner consistent with federal, state and local environmental regulations.

## **SECTION 14: TRANSPORT INFORMATION**

DOT: Not regulated

IATA: Not regulated

## **SECTION 15: REGULATORY INFORMATION**

### United States:

Toxic Substance Control Act (TSCA): Not listed

Superfund Amendments and Reauthorization Act (SARA 302): Not listed

Superfund Amendments and Reauthorization Act (SARA 313): Not listed

### International:

European Inventory of Existing Chemical Substances (EINECS): No. 248-523-5

### Canada:

Canadian Domestic Substances List (DSL): Not listed

Canadian Non-Domestic Substances List (NDSL): Not listed

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