

MATERIAL SAFETY DATA SHEET

Product Name: Dibutyl Phthalate
Catalog Number: 21390
DOT Hazard Class: Not hazardous
MSDS Updated: 9/2011

Distributed By: Ladd Research
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Williston, VT 05495
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HAZARDOUS COMPONENTS

| | <i>CAS Number</i> | <i>Percent</i> | <i>Exposure Limits</i> |
|-------------------|-------------------|----------------|--------------------------------|
| Dibutyl Phthalate | 84-74-2 | >95% | 5 mg/m ³ (OSHA PEL) |

PHYSICAL AND CHEMICAL DATA

Boiling Point: 340°C
Specific Gravity: 1.045
Vapor Density: 9.6 (air = 1)
Melting Point: -35°C
Solubility: 1/2500 (DBP/water); soluble in ether and acetone
Appearance and Odor: Colorless oily liquid. Slight aromatic odor.

FIRE AND EXPLOSION HAZARD DATA

Flash Point: 157°C
Lower Explosive Limit: 0.5%
Upper Explosive Limit: Not Determined
Extinguishing Media: Water fog, CO₂, dry chemical.
Special Fire Fighting Procedures: Wear self-contained breathing apparatus with a full face piece, operated in a positive pressure mode.
Unusual Fire and Explosion Hazards: Product has been reported to ignite explosively when exposed to extreme heat.

HEALTH HAZARD DATA

Primary Routes of Entry: Skin, eyes, inhalation
Skin: Irritation
Eyes: Irritation
Inhalation: Vapors may cause nasal and general respiratory irritation. May cause coughing and difficult breathing
Ingestion: May cause nausea, vomiting, headaches, dizziness or irritation

EMERGENCY AND FIRST AID

Skin: Remove contaminated clothing. Flush skin with water for 15 minutes or until all evidence of the material is gone.
Eyes: Flush with water for at least 15 minutes. Seek medical attention.
Inhalation: Remove to fresh air. Seek medical attention
Ingestion: If conscious, induce vomiting. Seek medical attention.

REACTIVITY DATA

Stability: Stable
Hazardous Polymerization: Will not occur
Conditions to Avoid: Extreme heat, ignition sources
Incompatibility: Strong oxidizers, acids, bases, chlorine, nitrates
Hazardous Decomposition Products: Oxides of carbon

SPILL, DISPOSAL AND STORAGE INFORMATION

Spill: Absorb spill on inert material and place in an impervious container. Seal tightly and label for disposal. Ensure elimination of ignition sources prior to clean up.

Disposal: Consult local, state and federal regulations.

Storage: Store tightly closed and away from ignition sources in a cool dry place.

PROTECTIVE EQUIPMENT AND CONTROL MEASURES

Respiratory: Self-contained breathing apparatus with full face piece if TLV is exceeded.

Gloves: Impervious (nitrile, butyl rubber)

Eye: Chemical splash goggles

Ventilation: Chemical fume hood

SECTION 313 SUPPLIER NOTIFICATION

Not applicable

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