




MATERIAL SAFETY DATA SHEET

Dibutyl phthalate

MSDS Name:	Dibutyl Phthalate 99%
Synonyms:	n-Butyl phthalate; DBP
Company Identification:	Hazel Mercantile Limited
Company Identification: (INDIA)	701, Embassy Centre , Nariman Point , Mumbai – 400 021
For information in the INDIA, call:	+91-22-2282 4444

Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name:	%	EINECS#
84-74-2	Dibutyl phthalate	99%	201-557-4

Hazard Symbols:	T N
	
Risk Phrases:	61 50 62

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Very toxic to aquatic organisms. May cause harm to the unborn child. Possible risk of impaired fertility.

Potential Health Effects

Eye:	May cause eye irritation. Causes redness and pain.
Skin:	May cause skin irritation. Causes redness and pain. May be harmful if absorbed through the skin.
Ingestion:	May cause irritation of the digestive tract. May be harmful if swallowed.
Inhalation:	May cause respiratory tract irritation. May be harmful if inhaled.
Chronic:	Prolonged or repeated exposure may cause nausea, dizziness, and headache.

Section 4 - First Aid Measures

Eyes:	Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.
Skin:	Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.
Ingestion:	Get medical aid. Wash mouth out with water.
Inhalation:	Remove from exposure and move to fresh air immediately.
Notes to Physician:	Treat symptomatically and supportively.

Section 5 - Fire Fighting Measures

General Information:	As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.
Extinguishing Media:	Use water spray, dry chemical, carbon dioxide, or chemical foam.



Section 6 - Accidental Release Measures

General Information:	Use proper personal protective equipment as indicated in Section 8.
Spills/Leaks:	Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Avoid runoff into storm sewers and ditches which lead to waterways.

Section 7 - Handling and Storage

Handling:	Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes.
Storage:	Store in a cool, dry place. Store in a tightly closed container.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls:	
	Use adequate ventilation to keep airborne concentrations low.
Exposure Limits	
	CAS# 84-74-2:
United Kingdom,	WEL - TWA: 5 mg/m3 TWA United Kingdom, WEL - STEL: 10 mg/m3 STEL
United States	OSHA: 5 mg/m3 TWA
Belgium	TWA: 5 mg/m3 VLE
France	VME: 5 mg/m3 VME
Japan:	5 mg/m3 OEL
Malaysia:	1 ppm TWA; 8.6 mg/m3 TWA
Russia:	0.5 mg/m3 TWA (aerosol and vapour)
Spain:	5 mg/m3 VLA-ED
Personal Protective Equipment	
Eyes:	Wear chemical splash goggles.
Skin:	Wear appropriate protective gloves to prevent skin exposure.
Clothing:	Wear appropriate protective clothing to prevent skin exposure.
Respirators:	Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Section 9 - Physical and Chemical Properties

Physical State:	Clear liquid
Color:	almost colorless
Odor:	ester-like
pH:	Not available
Vapor Pressure:	< .013 mbar @ 20 deg C
Viscosity:	22 cP 20 deg C
Boiling Point:	340 deg C @ 760 mmHg (644.00°F)
Freezing/Melting Point:	-35 deg C (-31.00°F)
Autoignition Temperature:	390 deg C (734.00 deg F)
Flash Point:	188 deg C (370.40 deg F)
Explosion Limits: Lower:	Not available
Explosion Limits: Upper:	Not available
Decomposition Temperature:	Not available
Solubility in water:	0.13 g/l
Specific Gravity/Density:	1.0430g/cm3
Molecular Formula:	C16H22O4
Molecular Weight:	278.34



Section 10 - Stability and Reactivity

Chemical Stability:	Stable under normal temperatures and pressures.
Conditions to Avoid:	Incompatible materials.
Incompatibilities with Other Materials	Oxidizing agents, acids, bases, liquid chlorine, nitrates.
Hazardous Decomposition Products	Carbon monoxide, carbon dioxide.
Hazardous Polymerization	Will not occur.

Section 11 - Toxicological Information

RTECS#:	CAS# 84-74-2: TI0875000
LD50/LC50:	RTECS: CAS# 84-74-2: Inhalation, mouse: LC50 = 25 gm/m3/2H; Inhalation, rat: LC50 = 4250 mg/m3; Oral, mouse: LD50 = 3474 mg/kg; Oral, rat: LD50 = 7499 mg/kg; Skin, rabbit: LD50 = >20 mL/kg;
Carcinogenicity:	Dibutyl phthalate - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.
Other:	See actual entry in RTECS for complete information.

Section 12 - Ecological Information

Ecotoxicity:	Fish: LC50: 0.85 mg/l; 96H; . Daphnia: EC50: 3 mg/l; 48H; .
Other:	Biodegradable. Avoid entering into waters or underground water. log Pow: 4.6-4.9

Section 13 - Disposal Considerations

Dispose of in a manner consistent with federal, state, and local regulations.

Section 14 - Transport Information

	IATA	IMO	RID/ADR
Shipping Name:	Environmentally Hazardous Substance, Liquid, N.O.S.*	Environmentally Hazardous Substance, Liquid, N.O.S.	Environmentally Hazardous Substance, Liquid, N.O.S.
Hazard Class:	9	9	9
UN Number:	3082	3082	3082
Packing Group:	III	III	III
Shipping Name:		IMO	RID/ADR

USA RQ: CAS# 84-74-2: 10 lb final RQ; 4.54 kg final RQ
Severe Marine Pollutant



Section 15 - Regulatory Information

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: T N

Risk Phrases:

- R 61 May cause harm to the unborn child.
- R 50 Very toxic to aquatic organisms.
- R 62 Possible risk of impaired fertility.

Safety Phrases:

- S 53 Avoid exposure - obtain special instructions before use.
- S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
- S 61 Avoid release to the environment. Refer to special instructions/safety data sheets

WGK (Water Danger/Protection)

- CAS# 84-74-2: 2

Canada

- CAS# 84-74-2 is listed on Canada's DSL List

US Federal

- TSCA
- CAS# 84-74-2 is listed on the TSCA Inventory.

Section 16 - Other Information

MSDS Creation Date:	September 04, 2007
Revision #0 Date	

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