

MATERIAL SAFETY DATA SHEET

Product name : DIOCTYL PHTHALATE			
CAS No : 117-81-7		Synonym: DOP, Di(2-ethylhexyl) 1,2,-Benzenedicarboxylate, Di(2-ethylhexyl) phthalate, DEHP $C_{24}H_{38}O_4$ Molecular mass : 390.51	
Manufacturer : PT TRIDOMAIN PERFORMANCE MATERIALS Jl Prof. Dr Moh Yamin SH. Kawasan Industri Gresik Jawa Timur, Indonesia			
TYPES OF HAZARD/ EXPOSURE	ACUTE HAZARDS/SYMTOMS	PREVENTION	FIRST AID FIGHTING
FIRE	Combustible	NO open flames	Powder, AFF,foam, carbon dioxide
EXPLOSION			
EXPOSURE			
Inhalation		Ventilation	Fresh air, rest.
Skin		Protective gloves	Remove contaminated clothes. Rinse skin with plenty of water or shower
Eyes		Safety spectacles	First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then take to a doctor
Ingestion		Do not eat, drink, or smoke during work	Rinse mouth. Give plenty of water to drink.
SPILLAGE DISPOSAL		PACKAGING & LABELLING	
Collect leaking and spilled liquid in sealable containers as far as possible. Absorb remaining liquid in vermiculite, sand or inert absorbent and remove to safe place. Do NOT let this chemical enter the environment.		Symbol : R : S : UN Hazard Class : 9	
EMERGENCY RESPONSE		STORAGE	
NFPA Code H0; F1; R0;		You should store this chemical under refrigerated temperatures and keep away from oxidizers, mineral acids and bases.	

DIOCTYL PHTHALATE**IMPORTANT DATA**

Physical State : Appearance COLOURLESS TO YELLOW VISCOUS LIQUID WITH CHARACTERISTIC ODOUR Physical Dangers As a result of flow, agitation, etc. electrostatic charges can be generated. Chemical Danger Reacts with strong oxidants, acids alkalis and nitrates Occupational Exposure Limits TLV (as TWA , ppm : 5 mg/m ³ (ACGIH 1989-1990) MAK as total dust, ppm : 10 mg/m ³ III ; C(1993)	Routes of Exposure The substance can be absorbed into the body by inhalation and by ingestion Inhalation Risk A harmful contamination of other air will not or will only very slowly be reached on evaporation of this substance at 20°C Effect of Short Term Exposure The substance irritates the eyes, the skin and the respiratory tract. The substance may cause effect on gastrointestinal tract Effect Long Term or Repeated Exposures Repeated or prolonged contact with skin may cause dermatitis
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PHYSICAL PROPERTIES

Boiling point at 6 mbar : 385°C Melting point : -50°C Relative density (water=1) : 0.986 Solubility in water at 25°C, gr/ml : 0.0001 Vapor pressure at 20°C, kPa : 0.001 Relative vapor density (air=1) = 13.45	Flash point : oc. 215°C Autoignition temperature : 350°C Explosive limits, vol% in air : 0.1 to ? Octanol /water partition coefficient as log Pow : 3.98
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ENVIRONMENTAL DATA

This substance may be hazardous to the environment; special attention should be given to water

NOTES

Do Not take working clothes home.

ADDITIONAL INFORMATION

You should dispose of all waste and contaminated materials associated with this chemical as specified by existing local, state and federal regulations concerning hazardous waste disposal. It is suggested that your contaminated materials should be destroyed by incinerating in a special, high temperature (>2000°F) chemical incinerator facility.

REFERENCE:

International programme on Chemical Safety and European Commission C IPCS 1999, Electronic media
(published in <http://www.ilo.org>)