

# DIISOBUTYL PHTHALATE

0829

October 2006

CAS No: 84-69-5  
RTECS No: T11225000

Phthalic acid, diisobutyl ester  
1,2-Benzenedicarboxylic acid, bis-(2-methylpropyl)ester  
Di(isobutyl)-1,2-benzenedicarboxylate  
DIBP  
 $C_{16}H_{22}O_4 - C_6H_4CO_2CH_2CH(CH_3)_2$   
Molecular mass: 278.4

TYPES OF HAZARD/ EXPOSURE	ACUTE HAZARDS/SYMPTOMS	PREVENTION	FIRST AID/FIRE FIGHTING
<b>FIRE</b>	Combustible. Gives off irritating or toxic fumes (or gases) in a fire.	NO open flames.	Water spray, alcohol-resistant foam, powder, carbon dioxide.
<b>EXPLOSION</b>			
<b>EXPOSURE</b>		<b>STRICT HYGIENE! AVOID EXPOSURE OF (PREGNANT) WOMEN!</b>	
<b>Inhalation</b>		Ventilation.	Fresh air, rest.
<b>Skin</b>		Protective gloves.	Rinse and then wash skin with water and soap.
<b>Eyes</b>		Safety spectacles.	Rinse with plenty of water (remove contact lenses if easily possible).
<b>Ingestion</b>		Do not eat, drink, or smoke during work.	Rinse mouth.

SPILLAGE DISPOSAL	PACKAGING & LABELLING
Collect leaking liquid in covered containers. Absorb remaining liquid in sand or inert absorbent and remove to safe place.	<b>GHS classification</b> Signal: Danger Health haz May damage fertility or the unborn child

EMERGENCY RESPONSE	SAFE STORAGE
Transport Emergency Card: TEC (R)-90G01 NFPA Code: H1; F1; R0; 0	Separated from strong oxidants,

**IPCS**

International Programme on Chemical Safety



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SEE IMPORTANT INFORMATION ON THE BACK.

### IMPORTANT DATA

**Physical State; Appearance**  
COLOURLESS VISCOUS LIQUID

**Chemical dangers**  
The substance decomposes on heating producing irritating fumes. Reacts with strong oxidants.

**Occupational exposure limits**  
TLV not established.  
MAK not established.

**Routes of exposure**  
The substance can be absorbed into the body through the skin and by ingestion.

**Inhalation risk**  
A harmful contamination of the air will be reached rather slowly on evaporation of this substance at 20/C.; on spraying or dispersing, however, much faster

**Effects of long-term or repeated exposure**  
Animal tests show that this substance possibly causes toxicity to human reproduction or development.

### PHYSICAL PROPERTIES

Boiling point: 320/C  
Melting point: -37/C  
Density: 1.04 g/cm<sup>3</sup>  
Solubility in water, g/100 ml at 20/C: 0.002 (very poor)  
Vapour pressure, Pa at 20/C: 0.01

Relative vapour density (air = 1): 9.6  
Flash point: 185/C o.c.  
Auto-ignition temperature: 423/C  
Explosive limits, vol% in air: 0.4  
Octanol/water partition coefficient as log Pow: 4.11

### ENVIRONMENTAL DATA

### NOTES

Palatinol IC is a trade name.

### ADDITIONAL INFORMATION

#### LEGAL NOTICE

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