

**PHTHALIC ACID****0768**

October 2006

CAS No: 88-99-3  
RTECS No: TH96250001,2-Benzenedicarboxylic acid  
ortho-Phthalic acid  
 $C_8H_6O_4 / C_6H_4(COOH)_2$   
Molecular mass: 166.1

TYPES OF HAZARD/ EXPOSURE	ACUTE HAZARDS/SYMPTOMS	PREVENTION	FIRST AID/FIRE FIGHTING
<b>FIRE</b>	Combustible.	NO open flames.	Powder, alcohol-resistant foam, water spray, carbon dioxide.
<b>EXPLOSION</b>	Finely dispersed particles form explosive mixtures in air.	Prevent deposition of dust; closed system, dust explosion-proof electrical equipment and lighting.	

EXPOSURE		PREVENT DISPERSION OF DUST!	
<b>Inhalation</b>	Cough. Sore throat.	Local exhaust.	Fresh air, rest.
<b>Skin</b>	Redness.	Protective gloves.	Rinse and then wash skin with water and soap.
<b>Eyes</b>	Redness.	Safety spectacles.	Rinse with plenty of water (remove contact lenses if easily possible).
<b>Ingestion</b>	Sore throat.	Do not eat, drink, or smoke during work.	Rinse mouth.

SPILLAGE DISPOSAL	PACKAGING & LABELLING
Personal protection: P1 filter respirator for inert particles. Sweep spilled substance into covered containers; if appropriate, moisten first to prevent dusting. Wash away remainder with plenty of water.	<b>GHS classification</b> Signal: Warning Excl mark May be harmful if swallowed Causes skin irritation Causes serious eye irritation

EMERGENCY RESPONSE	SAFE STORAGE
NFPA Code: H1; F1; R; 0	

## IMPORTANT DATA

**Physical State; Appearance**

CRYSTALLINE POWDER.

**Physical dangers**

Dust explosion possible if in powder or granular form, mixed with air.

**Chemical dangers**

The solution in water is a weak acid.

**Occupational exposure limits**

TLV not established.

MAK: IIb (not established but data is available) (DFG 2006).

**Inhalation risk**

A nuisance-causing concentration of airborne particles can be reached quickly when dispersed, especially if powdered

**Effects of short-term exposure**

The substance is irritating to the eyes, the skin and the respiratory tract.

## PHYSICAL PROPERTIES

Melting point (decomposes): 191 /C  
Relative density (water = 1): 1.6  
Solubility in water, g/100 ml at 25/C: 0.625

Relative vapour density (air = 1): 5.7  
Flash point: 168/C c.c.  
Octanol/water partition coefficient as log Pow: 0.73

## ENVIRONMENTAL DATA

## NOTES

## ADDITIONAL INFORMATION

## LEGAL NOTICE

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