



# SAFETY DATA SHEET

## 1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY

Catalogue No. : P 13739  
Product Name : PHTHALIC ACID  
.  
Manufacturer / supplier identification  
Company : NICE Chemicals (P) Ltd. , Cochin , India  
Tel - 0484 2800212 , 2802755  
  
Contact For Information : Tel . No. – 0484 2802536 Fax : 0484 2802483  
Emergency Telephone No. : 0484 2801583 Tele fax No. : 0484 2802483

## 2. COMPOSITION / INFORMATION ON INGREDIENTS

Synonyms: Benzene-1,2- dicarboxylic acid

CAS-No. : 88-99-3 EC-No. : 201-873-2  
EC-Index –No. : ----- M : 166.13 g/mol  
Molecular formula (Hill) : C<sub>8</sub>H<sub>6</sub>O<sub>4</sub> Molecular formula(struc.) : C<sub>6</sub>H<sub>4</sub>(COOH)<sub>2</sub>

## 3. HAZARDS IDENTIFICATION

Irritating to eyes, respiratory system and skin.

## 4. FIRST AID MEASURES

After skin contact : Wash off with plenty of water.  
Remove contaminated clothing.  
After eye contact : Rinse out with plenty of water with the eyelid held  
wide open. Summon eye specialist.  
After inhalation : Fresh air.  
After swallowing : Make victim drink plenty of water, induce vomiting,  
summon doctor.

## 5. FIRE – FIGHTING MEASURES

Suitable extinguishing media : Powder, foam.  
Special risks : Combustible. Development of hazardous  
combustion gases or vapours possible in the event of fire.

Special protective equipment for fire fighting : Do not stay in dangerous zone  
without self-contained breathing apparatus.  
Other information : Prevent fire-fighting water from entering surface water or  
groundwater.

## 6. ACCIDENTAL RELEASE MEASURES

Person-related precautionary measures: Avoid generation of dusts; do not  
inhale dusts.  
Environmental-protection measures : Do not allow to enter sewerage system.  
Procedures for cleaning/absorption: Take up dry. Forward for disposal.  
Clean up effected area. Avoid generation of dusts.

## 7. HANDLING AND STORAGE

Handling : No further requirements.  
Storage : At + 15° C to + 25°C. Dry. Tightly closed .  
No further requirements.



# SAFETY DATA SHEET

---

Catalogue No. : P 13739  
Product Name : PHTHALIC ACID

---

## 8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Personal protective equipment :

Protective clothing should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier

Respiratory protection : Required when dusts are generated.

Eye protection : Required

Hand protection : Required

Industrial hygiene : Wash hands after working with substance.

Change contaminated clothing . Wash hands after working with substance.

## 9. PHYSICAL & CHEMICAL PROPERTIES

Form	:	Solid
Colour	:	White
Odour	:	Odourless
PH value at 5g/l H <sub>2</sub> O (20° C)	:	2
Melting temperature	:	206-208° C
Boiling temperature	:	Not available
Ignition temperature	:	Not available
Flash point	:	Not available
Explosion limits lower	:	Not available
Upper	:	Not available
Density (20° C)	:	1.59 g/cm <sup>3</sup>
Bulk density	:	960 kg/m <sup>3</sup>
Solubility in water(20°C)	:	5.74 g/l
Chloroform	:	Insoluble
Log P(oct)	:	0.1

## 10. STABILITY AND REACTIVITY

Conditions to be avoided : No information available.

Substance to be avoided : No information available.

Hazardous decomposition products : No information available.

## 11. TOXICOLOGICAL INFORMATION

Acute toxicity: LD<sub>50</sub>(oral, rat) : 7900 mg/kg.

Further toxicological information :

After inhalation : Irritation of the mucous membranes, coughing,  
and dyspnoea. Bronchitis.

After eye contact : Irritations, conjunctivitis.

After skin contact : Irritations.

After swallowing : Irritations of mucous membranes in the mouth, pharynx,  
oesophagus and gastrointestinal tract. Vomiting, diarrhoea.

Further data : Further hazardous properties cannot be excluded. The product should be handled with the care usual when dealing with chemicals.

## 12. ECOLOGICAL INFORMATION

Behavior in environmental compartments:



# SAFETY DATA SHEET

---

Catalogue No. : P 13739  
Product Name : PHTHALIC ACID

---

log P(oct) : 0.1. No bioaccumulation is to be expected (log P(o/w)<1).

Ecotoxic effects : Quantitative data on the ecological effect of this product are not available.

Further ecologic data : Degradability :

BOD : 1.44 g/g ; COD : 1.45 g/g ; ThOD : 1.44 mg/l.

Do not allow to enter waters, waste water, or soil.

## 13. DISPOSAL METHOD

Chemicals must be disposed of in compliance with the respective national regulations. Under [www. retrologistik .de](http://www.retrologistik.de) you will find country- and substance-specific information as well as contact partners.

Nice product packaging must be disposed of in compliance with the county-specific regulations or must be passed to a packaging return system. Under [www. retrologistik. de](http://www. retrologistik. de) you will find special information on the respective national conditions as well as contact partners

## 14. TRANSPORT INFORMATION

Not subject to transport regulations.

## 15. REGULATORY INFORMATION

Labeling according to EC Directives

Symbol : Xi Irritant  
R-phrases : 36/37/38 Irritating to eyes, respiratory system and skin.  
S-phrase : -----

Water pollution class : -----

## 16. OTHER INFORMATION

Reason for alteration :

General update.

Regional representation :

This information is given on the authorised Safety Data Sheet for your country.

The information contained herein is based on the present state of our knowledge. It characterises the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.