



SAFETY DATA SHEET

1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY

Product Name : **P-NITRO BENZOIC 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

Formula : $C_7H_5NO_4$
Molecular Weight : 167,12 g/mol
CAS-No : 62-23-7 Ec-Index No. : ----
EC-No. : 200-526-2

3. HAZARDS INDEX : Harmful if swallowed. Irritating to eyes.

4. FIRST AID MEASURES : After inhalation : fresh air.

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 swallowing : make victim drink plenty of water, induce vomiting, summon doctor.

5. FIRE-FIGHTING MEASURES : Suitable extinguishing media: Foam, Powder, Water, CO_2

Special risks : Combustible. Development of hazardous combustion gases or vapours possible in event of fire.

Special protective equipment for fire fighting : Do not stay in dangerous zone without self-contained breathing apparatus.

Other information : Cool container with spray water from a safe distance.

6. ACCIDENTAL RELEASE MEASURES

Procedures for cleaning/absorption : Take up dry. Forward for disposal.
Clean up affected area.

7. HANDLING AND STORAGE : Handling - No further requirements.



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Storage - Tightly closed. Dry.

Storage temperature : No restrictions.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Respiratory protection : required when dusts are generated.

Eye Protection : required

Hand Protection : required

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

Industrial hygiene : Change contaminated clothing. Application of skin-protective barrier cream recommended. Wash hands after working with substance.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form : Solid

Colour : Light yellow

pH	: Not available
Melting temperature	: 237 -240.0° C
Boiling temperature	: Not available
Sublimation point	: Not available
Ignition temperature	: Not available
Flash Point	: 237° C (Closed cup)
Explosion limit lower	: Not available
upper	: Not available
Relative vapour density	: Not available
Density	: Not available
Bulk Density	: Not available
Methanol (20° C)	: Soluble

10. STABILITY AND REACTIVITY

Conditions to be avoided : Temperatures above melting point.

Substances to be avoided : Moisture, Strong base & strong Oxidising agents.

Hazardous decomposition products : No information available.

11. TOXICOLOGICAL INFORMATION

Acute toxicity : LD₅₀ (oral, rat) : 1700 mg/kg

LDLo (oral, human) : 500 mg/kg



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Further toxicological information :

After inhalation of dust : Irritation symptoms in the respiratory tract.

After skin contact : irritations.

After eye contact : Irritations.

After swallowing : Mucosal irritations.

After absorption of large quantities : gastrointestinal complaints.

Further data : The product should be handled with the care usual when dealing with chemicals.

12. ECOLOGICAL INFORMATION : Biologic degradation : Readily degradable in water.

Behavior in environmental compartments :

Distribution : log P (oct) : 1.87

Low bioaccumulation potential. 0

Evaluation number (FRG)(mammal) : 3.0

Evaluation number (FRG)(bacteria) : 3.3

Evaluation number (FRG)(fish) : 3.3

Ecotoxic effects: Biological effects.

Fish toxicity : L.idus LC₅₀ : 460 mg/lit.

Bacterial toxicity : Ps.putida EC₀ : 34 mg/lit.

Algeal toxicity : M.aeruginosa EC₀ : 55 mg/lit.

Protozoa : E.sulcatum EC₀ : 218 mg/lit.

Further ecologic data : BOD₅ : 1.65 gm/gm

COD : 1.95 gm/gm; ThOD : 1.96 gm/gm;

BOD : 47 % of ThOD;

No ecological problems are to be expected when the product is handled and used with due care and attention.

13. DISPOSAL METHOD : Disposal in compliance with official regulations. Handle contaminated packaging in the same way as the substance itself. If not officially specified differently, non-contaminated packaging may be treated like house-hold waste or recycled.

There are no uniform EC Regulations for the disposal of chemicals or residues. Chemical residues generally count as special waste. Approved waste disposal companies which will advise you on how to dispose of special waste.

14. TRANSPORT INFORMATION : Not subject to transport regulations.



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15. REGULATORY INFORMATION :

Labelling according to EC Directives

Symbol : Xn Harmful
R-phrases : 22-36 Harmful if swallowed. Irritating to eyes.
S-phrases : 24 Avoid contact with skin.

Water pollution class : 1 (slightly polluting substance)

16. OTHER INFORMATION :

Reason for alteration :

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.