



SAFETY DATA SHEET

1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY

Catalogue No.: D 11317

Product Name: **3,5-DINITRO BENZOIC ACID 99%**

Manufacturer / supplier identification

Company : NICE CHEMICALS PVT.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

CAS-No : 99-34-3 EC –No. 202-751-1
Molar mass : 212.12 g/mol
Molecular formula : $C_7H_4N_2O_6$

3. **HAZARDS IDENTIFICATION** : Irritating to eyes and respiratory system.

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.



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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. The following may develop in event of fire: Nitrous gases.

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

Other information : Contain escaping vapours with water. Prevent fire-fighting water from entering surface water or ground water.

6. ACCIDENTAL RELEASE MEASURES

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

Person-related precautionary measures : Avoid substance contact. Avoid generation of dusts; do not inhale dusts.

Environmental-protection measures : Do not allow to enter sewerage system.

7. HANDLING AND STORAGE

Handling : No further requirements.

Storage : Tightly closed. Dry. At +15⁰C to +25⁰C

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 dust are generated.

Eye protection : required

Hand protection : required



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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 : yellow
Odour : odourless
PH value at 50 g/l H₂O (20⁰C) : Not available
Melting temperature : 204 - 208 °C
Boiling temperature : Not available
Ignition temperature : Not available
Flash point : Not available
Explosion limits Lower : Not available
Upper : Not available
Density (20⁰C) : Not available
Bulk density : ~ 900 - 1000 Kg/m³
Solubility in water(20⁰C) : sparingly soluble
Ethanol : soluble
Ether : sparingly soluble
Log P(oct) : 1.64

10. STABILITY AND REACTIVITY

Conditions to be avoided : No information available.
Substance to be avoided : No information available.
Hazardous decomposition products : In the event of fire : see chapter 5

11. TOXICOLOGICAL INFORMATION:

Acute toxicity : Quantitative data on the toxicity of this product are not available.

Subacute to chronic toxicity :

Bacterial mutagenicity : Salmonella typhimurium : Positive.



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Further toxicological information : After inhalation : Irritations of the mucous membranes, coughing and dyspnoea. After skin contact : No irritations.

After eye contact : Irritations.

The following applies to aromatic nitro compounds in general : systemic effect : methaemoglobinaemia with headache, cardiac dysrhythmias, drop in blood pressure, dyspnoea and spasms; principal sign : cyanosis (blue discoloration of the blood)

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 : Distribution : $\log P(\text{oct})$: 1.64.

No appreciable bioaccumulation potential is to be expected ($\log P(\text{o/w})$ 1-3).

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

Further ecological data : A harmful effect on aquatic organisms cannot be excluded in the event of improper handling or disposal.

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

13. DISPOSAL METHOD

Product

There are no uniform EC Regulations for the disposal of chemicals or residues.

Chemical residues generally count as special waste. The disposal of the latter is regulated in the EC Member countries through that you corresponding laws and regulations. We recommend contact either the authorities in charge or approved waste disposal companies which will advise you on how to dispose of special waste.



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Packaging

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 household waste or recycled.

14. TRANSPORT INFORMATION : No subject to transport regulations.

15. REGULATORY INFORMATION

Labelling according to EC Directives

Symbol : Xi Irritant

R-phrases : 36/37 Irritating to eyes and respiratory system.

S-phrases : 25 Avoid contact with eyes.

16. Other information

Reason for alteration .
Change in labelling.
Change in supplement to physical/chemical parameters.
Change in the chapter on ecology.
Change in the chapter on toxicology.
General update.

The information contained here in is based on the present state of our knowledge.

It characterizes the product with regard to the appropriate safety precautions.

It does not represent a guarantee of the properties of the product.