



SAFETY DATA SHEET

1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY

Catalogue No.: D12309
Product Name: **3,5-DINITRO SALICYLIC ACID**

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

Synonyms

3,5-Dinitro-2-hydroxybenzoic acid; 3,5-Dinitro salicylic acid

CAS-No : 609-99-4 EC –No. 210-204-3
Molar mass : 228.12
Molecular formula : C₇H₄N₂O₇

3. HAZARDS IDENTIFICATION

Harmful if swallowed.

4. FIRST AID MEASURES

After eye contact : Rinse out with plenty water with the eyelid held wide open.
Summon eye specialist.
After inhalation : fresh air.
After skin contact : wash off with plenty of water. Remove contaminated clothing.



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After swallowing : make the victim drink plenty of water , induce vomiting.
Summon doctor.

5. FIRE – FIGHTING MEASURES

Suitable extinguishing media : water, foam, Fire extinguisher: water.

Special risks : Combustible. Development of hazardous combustion gases
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
Suitable chemical protection clothing and self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

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

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

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

7. HANDLING AND STORAGE

Handling : No further requirements.

Storage : At +5⁰C to +30⁰C.Tightly closed in a well ventilated place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protective equipment

Respiratory protection : required when dusts are generated.

Eye protection : required



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Hand protection : required

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.

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

9. PHYSICAL AND CHEMICAL PROPERTIES

Form : solid
Colour : light yellow
Odour : weak
PH value at 10 g/l H₂O (20^oC) : ~1.3-1.8
Melting temperature : 169-172 ^oC
Boiling temperature : Not available
Ignition temperature : Not available
Flash point : Not available
Explosion limits Lower : Not available
Upper : Not available.
Relative vapour density : Not available
Density : Not available
Bulk density : ~ 400 kg/m³
Solubility in water(20^oC) : soluble

10. STABILITY AND REACTIVITY

Conditions to be avoided : Heating
Substance to be avoided : No information available
Hazardous decomposition products : in the event of fire; nitrous gases.



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11. TOXICOLOGICAL INFORMATION

Acute toxicity : LD₅₀ (oral,rat): 860 mg/kg

Further toxicological information : Property that cannot be excluded on the basis of structure-effect considerations:

After eye contact : irritations.

After inhalation : when dusts are generated: mucosal irritations, caughing dyspnoea.

After skin contact : irritations.

After swallowing : irritations of mucous membranes in the mouth , pharynx, oesophagus and gastrointehtinal tract.

After absorption of toxic quantities: Methaemoglobinaemia with headache, cardiac Arrhythmia, drop in blood pressure, dyspnoea and spasms, key symptom: cyanosis.

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

12. ECOLOGICAL INFORMATION

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

Further Ecotoxic data: Do not allow to enter water, waster 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

Transport over land ADR/RID and GGVS/GGVE

GGVS/GGVE class : 6.1 Number and letter :25b
ADR/RID class : 6.1 Number and letter :25b

River transport ADN/ADNR : Not examined.

Sea transport IMDG

IMDG class : 6.1 UN No.2811 Packaging group : II
Ems : 6.1-04 MFAG : 4.2

Correct technical name : TOXIC, SOLID, ORGANIC,N.O.S.
(2-HYDROXY-3,5-DINITROBENZOICACID)

Air transport ICAQ-TI and IATA-DGR

ICAQ/IATA class : 6.1 UN/ID No. : 2811 Packaging group : II
Correct technical name : TOXIC SOLID, ORGANIC, N.O.S.
(2-HYDROXY-3-5-DINITROBENZOIC ACID)

15. REGULATORY INFORMATION

Labelling according to EC Directives

Symbol : Xn Harmful.

R-phrases : 22 Harmful if swallowed.

S-phrases : 24/25 Avoid contact with skin and eyes.

Water pollution class : 2 (polluting substance)



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16. OTHER INFORMATION

Reason for alteration : Addition in the chapter toxicology.
Addition of water pollution class.

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.