



SAFETY DATA SHEET

1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY

Catalogue No. : C 12325
Product Name : CATECHOL

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 : Pyrocatechol
CAS-No. : 120-80-9
EC-No. : -
EC-Index-No. : -
Formula Hill : C₆H₆O₂

3. HAZARDS IDENTIFICATION

Harmful by inhalation and if swallowed . Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Possible risk of irreversible effects.

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 for at least 10 minutes with the eyelid held wide open.



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After inhalation : Fresh air. If necessary , apply mouth-to mouth resuscitation or mechanical ventilation.

After swallowing : Make victim drink plenty of water. Induce vomiting. Call in physician.

5. FIRE- FIGHTING MEASURES

Suitable extinguishing media : Powder, foam, water,CO₂.

Special risks : Combustible. Formation 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 : Contain escaping vapours with water. Prevent fire-fighting
water from entering surface water or ground water.

6. ACCIDENTAL RELEASE MEASURES

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

Ensure supply of fresh air in enclosed rooms.

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

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



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7. HANDLING AND STORAGE

Handling : Notes for safe handling : Work under hood. Do not inhale substance. Protect from light.

Storage : Tightly closed . Dry. Protected from light. At + 15°C to + 25°C.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Specific control parameter

EC Name : Catechol

Mutagenic : M 3 : substance which cause concern for man owing possible mutagenic effects.

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 : Immediately change contaminated clothing. Apply skin-protective barrier cream. Wash hands after working with substance.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form : Solid

Colour : Colourless

Odour : Weak characteristic odour

pH value at 50 g/l H₂O (20° C) : -

Melting temperature : -

Boiling temperature : -



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Ignition temperature : Not available
Flash point : Not available
Explosion limits lower : Not available
Upper : Not available
Vapour pressure(140°C) : -
Density (20° C) : -
Bulk density : -
Solubility in water(20°C) : -

10. STABILITY AND REACTIVITY

Conditions to be avoided : Heating.

Substance to be avoided : No information available.

Hazardous decomposition products : Not known to date.

Further information : Incompatible with : bases, ammonium hydroxide,
antipyrine, camphor, phenol.

11. TOXICOLOGICAL INFORMATION

Acute toxicity: LD₅₀ (oral, rat): 789 mg/kg ; LC₅₀(oral, human): 28 mg/kg.

Specific symptoms in animal studied:

Eye irritation test (rabbit): Irritations.

Skin irritation test(rabbit): burns.

The literature data available to us do not conform with the labelling prescribed by the EC. The EC has dossiers which have not been published. Subacute to chronic toxicity : Possible mutagenic effect in humans. The suspicion is based on proven damage to the genetic material in the somatic cells of man and animal and requires further clarification.



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Further toxicological information :

After swallowing : Vomiting and diarrhoea.

After inhalation of dust: mucosal irritations, dyspnoea, coughing.

After skin contact : Irritations. Risk of absorption.

After eye contact : Irritations .

After absorption : collapse, dyspnoea, spasms, Change in the blood picture, methaemoglobinaemia. Chronic uptake results in damage of: liver and kidneys. Irreversible damage possible.

After absorption of toxic quantities: death.

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

12. ECOLOGICAL INFORMATION

Biologic degradation :

Biodegradation : 90% /17 d Zahn- Wellens test. Easily eliminable.

Ecotoxic effects : Biological effects : Toxic for aquatic organisms. Harmful effect on aquatic organisms. May cause long-term adverse effects in the aquatic environment.

Fish toxicity : Br.rerio LC₅₀ : 41.8 mg/l/96 h. Daphnia toxicity : Daphnia magna EC₅₀ : 47.8 mg/l/24 h. Bacterial toxicity : Ps.putida EC₅₀ : 3.8 mg/l/16 h. Hazard for drinking water supplies.

Further ecologic data : Degradability:

BOD 1 % from TOD/5 d; COD 95% from TOD ; TOD : 1.52 g/g.

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



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13. DISPOSAL METHOD

Chemicals must be disposed of in compliance with the respective national regulations. Under 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 you will find special information on the respective national conditions as well as contact partners.

14. TRANSPORT INFORMATION

Land transport : GGVS, GGVE, ADR, RID
Classification : 6.1/25 c
Name : Catechol

Transport by river : ADN, ADNR
Classification : Not tested

Transport by sea : IMDG, GGVsee
Classification : 6.1/UN 2811/PG 111
Ems : 6.1-0
Mfag : ----
Name : CATECHOL

Transport by air : ICAO, IATA
Classification : 6.1/UN 2811/PG 111
Name : CATECHOL



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15. REGULATORY INFORMATION

Labelling according to EC Directives

Symbol : Xn Harmful

R-phrases : 20/21/22-52/53-68

Harmful by inhalation, in contact with skin and if swallowed. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Possible risk of irreversible effects.

S-phrase : 36/37-61

Wear suitable protective clothing and gloves. Avoid release to the environment. Refer to special instructions/safety data sheets.

EC-No : 201-762-9 EC label

Water pollution class : -----

16. OTHER INFORMATION

Chapter 15 : Labelling.

Chapter 11 : toxicological information.

Chapter 12 : ecological information .

General update.

Regional representation :

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

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.
