



SAFETY DATA SHEET

1. Identification of the preparation and of the company

Catalogue No. : P 20171
 Product Name : PANDY'S REAGENT

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

Aqueous Phenolic solution .

Hazardous ingredients :

Name according to EC Directives : Phenol

Hazard symbols :

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EC-Index-No. : 604-001-00-2

Toxic in contact with skin and if swallowed. Causes burns.

CAS-No : 108-95-2

Content :-9-11 %

3. Hazards Identification : Toxic in contact with skin and if swallowed. Causes burns.

4. First Aid Measures : After inhalation: Fresh air. If necessary, apply mouth-to-mouth resuscitation or mechanical ventilation.
 After eye contact : Rinse out with plenty of water for at least 10 minutes with the eyelid held wide open. Summon eye specialist.
 After skin contact : Rinse off with a mixture of polyethylene glycol 300/ethanol 2:1, Rewash with plenty of water. Immediately remove contaminated clothing.
 After swallowing : Make victim drink plenty of water. Immediately Summon doctor.

5. Fire – fighting measures: Suitable extinguishing media : In adaption to materials stored in the immediate neighbourhood.

Special risks : None

Other information : Non- combustible.

6. Accidental release Measures: Person -related precautionary measures : Do not inhale vapours/aerosols.
 Avoid substance contact.

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

Procedures for cleaning/absorption : Take up with liquid-absorbent material (e.g. Spillage mops). Forward for disposal. Clean up effected area.

7. Handling and Storage : Handling : No further requirements.
 Storage : Tightly closed . In a ventilated place. At + 15° C to + 25° C.

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8. Exposure controls / : Personal protective equipment
 personal protection : Respiratory protection : Required when vapours/aerosols are generated.
 Eye protection : Required
 Hand protection : Required
- Industrial hygiene : Immediately change contaminated clothing. Apply skin – protective barrier cream. Wash hands and face after working with substance.
- Other protective equipment : Suitable protective clothing.
9. Physical and chemical : Form : Liquid
 properties : Colour : Colourless
 : Odour : Characteristic
 pH value : Not available¹
 Melting temperature : Not available
 Boiling temperature : 182 °C at 1.013 hPa
 Ignition temperature : Not available
 Flash point : 79 °C-closed cup
 Explosion limits lower : Not available
 Upper : Not available
 Vapour pressure : 6.203 hPa at 55 °C
 Relative vapour density : Not available
 Density (20°C) : 1.071 g/cm³
 Solubility in water(20°C) : Soluble
 Log P (oct) : -
10. Stability and reactivity : Conditions to be avoided : Heating.
 Substance to be avoided : No information available
 Hazardous decomposition products : No information available
11. Toxicological : Acute toxicity: Quantitative data on the toxicity of this product are not available.
 Information : Further toxicological information : Property that must be anticipated
 on the basis of the components of the preparation.
 After inhalation of vapours : Irritations of the mucous membranes, coughing and
 dyspnoea
 After skin contact : Burns. Danger of skin absorption.
 After eye contact : Burns..
 After swallowing : Irritations of mucous membranes in the mouth, pharynx,
 oesophagus and gastrointestinal tract.
 Systemic effects : CNS disorders, cardiovascular disorders, changes in the blood
 picture. Sensitisation with allergic manifestations in predisposed persons.
 Further data: The product should be handled with the care usual when dealing
 with chemicals.

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Behaviour in environmental compartments :

12. Ecological Information : Biologic degradation : Easily eliminable.

Ecotoxic effects : Biological effects : high aquatic toxicity.

Further ecologic data : Do not allow to enter waters, waste water, or soil.

13. Disposal Method : 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 corresponding laws and regulations. We recommend that you contact either the authorities in charge or approved waste disposal companies which will advise you on how to dispose of special waste.

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 : GGVS/GGVE class : 6.1
 Transport over land ADR/RID class : 6.1
 ADR/RID & GGVS/GGVE Name of material : PHENOL SOLUTION (PANDY'S REAGENT)
 Sea transport IMDG : IMDG class : 6.1 UN-No. : 2821 Packaging group : 11
 EMS-Nr : F-A, S-A
 Correct technical name : PHENOL SOLUTION (PANDY'S REAGENT)
 Air transport : ICAO/IATA class: 6.1 UN/ID-No. : 2821 Packaging group : 11
 ICAO-TI & IATA-DGR Correct technical name : PHENOL SOLUTION (PANDY'S REAGENT)

15. Regulatory Information :
 Labelling according to EC Directives

Symbol : Toxic
 R-phrases : R23/24/25 : Toxic by inhalation, in contact with skin and if swallowed.
 R34 : Causes burns.
 R48/20/21/22 : Harmful : danger of serious damage to health by prolonged exposure through inhalation, in contact with skin and if swallowed.
 R68 : Possible risks of irreversible effects.
 S-phrases : S24/25 : Avoid contact with skin and eyes.
 S26 : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S28 : After contact with skin, wash immediately with S36/37/39 : Wear suitable protective clothing, gloves and eye/face protection.
 S45 : In case of accident or if you feel unwell, seek medical advice immediately

Water pollution class : 1 (slightly polluting substance) (own classification)
