



# SAFETY DATA SHEET

## 1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY

Catalogue No. : P 20571  
Product Name : **PHENOL 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 Telefax No. : 0484 2802483

## 2. COMPOSITION / INFORMATION ON INGREDIENTS

Aqueous solution of inorganic compounds

Synonyms : Reagent for phenol and bovine serum albumine acc. to  
Folin and Ciocalteu

Hazardous ingredients :

Name according to EC Directives : Sodium Tungstate  
Hazard symbols : Xn R-phrases : 22  
EC.Index No. : none Harmful if swallowed.  
CAS-No : 13472-45-2 Content: z 1 – 10 %

Name according to EC Directives : Phosphoric acid  
Hazard symbols : C R-phrases : 34  
EC.Index No. : 015-011-00-6 Causes burns  
CAS-No : 7664-38-2 Content: z 5 – 10 %

Name according to EC Directives : Hydrochloric Acid  
Hazard symbols : C R-phrases : 34-37  
EC.Index No. : 017-002-01-X Causes burns. Irritating to respiratory  
System.  
CAS-No : 7647-01-0 Content: z 1 – 5 %

## 3. HAZARDS IDENTIFICATION

According to the evaluative data available, a classification according to categories of danger as specified in Directive 67/548/EEC and laid down in the legislation of the country concerned is not required. The concentration of the hazardous ingredients is below the limits of classification. Risks cannot be excluded if the product is handled inappropriately.



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## 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 eyelids held open. Summon eye specialist.

After swallowing: drink plenty of water.  
Summon doctor.

## 5. FIRE – FIGHTING MEASURES

: Suitable extinguishing media: In adaption to materials available in the immediate neighbourhood.

Special risks: contains escaping vapours with water.

## 6. ACCIDENTAL RELEASE MEASURES

Procedures for cleaning / absorption : Take up with liquid absorbent material (Eg chemizorb ). Forward for disposal. Clean up affected area.

## 7. HANDLING AND STORAGE

Handling: No further requirements.

Storage: Tightly closed. At +15<sup>0</sup>C to +25<sup>0</sup>C.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protective equipment  
Respiratory protection: required when vapours / Aerosols are generated

Eye protection: required  
Hand protection: required



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Protective clothing should be selected for the Working place depending on concentration and Quantity of the hazardous substance 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 : liquid  
Colour : yellow  
Odour : slightly pungent  
pH value (20°C) : 2

Melting temperature : Not available.  
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 (20°C) : ~1.24 g/cm<sup>3</sup>  
Solubility in water (20°C) : Soluble

## 9. STABILITY AND REACTIVITY

Conditions to be avoided: no information available.  
Substance to be avoided: metals  
Hazardous decomposition products: Not known yet.

## 11. TOXICOLOGICAL INFORMATION

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



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Further toxicological information :  
Property which cannot be excluded on the basis of  
the chemical/physical data : After contact with substance : irritant  
effect (eyes, skin, mucous membrane). After absorption : irritant  
effect.

The following applies to lithium compounds in  
general : when handled or used inappropriately, the  
absorption of large quantities is followed by CNS  
disorders, agitation, spasms, ataxia (impaired  
locomotor coordination) due to disturbed  
electrolytic balance.

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

## **12. ECOLOGICAL INFORMATION**

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

Further ecologic data : Property which must be  
anticipated on the basis of the chemical/physical  
data : Harmful effect due to pH shift.

## **13. DISPOSAL METHOD**

There are no uniform EC regulations for the disposal  
of chemical 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 as in the same way as the substance  
itself. If not officially specified differently, non-contaminated  
packaging may be treated like household waste  
or recycled.

