



## SAFETY DATA SHEET

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

Catalogue No. : B 21671  
Product Name : BIURET 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

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### 2. COMPOSITION / INFORMATION ON INGREDIENTS

Aqueous solution of inorganic and organic compounds.

#### Hazardous ingredients :

Name according to EC Directives: Sodium hydroxide

Hazard symbols : C  
R-phrases : 35  
CAS-No. : 1310-73-2  
Content : >- 0.5-2%  
Ec index – No. : 011-002-00-6

Causes severe burns.

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### 3. HAZARDS IDENTIFICATION : Irritating to eyes and skin.

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### 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 with the eyelid held wide open. Summon eye specialist.

After inhalation : Fresh air.

After swallowing : Make victim drink plenty of water, induce vomiting ,summon doctor.

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### 5. FIRE – FIGHTING MEASURES

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

Special risks : None

Special protective equipment for fire fighting : When large amounts of substance are released, work only with self - enclosed respirators and suitable chemical –resistant protective clothing.

Other information : Non-combustible. Prevent fire-fighting water from entering surface water or groundwater.

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### 6. ACCIDENTAL RELEASE MEASURES

Procedures for cleaning /absorption:

Take up with liquid –absorbent material (e.g. Chemizorb @).

Forward for disposal. Clean up effected area.

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### 7. HANDLING AND STORAGE

Handling : No further requirements.

Storage : Tightly closed . At +15° C to + 25° C.

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### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protective equipment

Respiratory protection : Required when vapours/aerosols are generated.

Eye protection : Required

Hand protection : Required

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

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### 9. PHYSICAL & CHEMICAL PROPERTIES

Form	:	Liquid
Colour	:	Blue
Odour	:	Odourless
PH value (20°C)	:	13.2
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



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Density (20° C) : 1.02 g/cm<sup>3</sup>  
Solubility in water(20°C) : Soluble

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### 10. STABILITY AND REACTIVITY

Conditions to be avoided : None.  
Substances to be avoided : None.  
Hazardous decomposition products : None.

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### 11. TOXICOLOGICAL INFORMATION

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

Further toxicological information :

After skin contact : Irritations.  
After eye contact : Irritations.  
After swallowing : Irritations of mucous membranes in the  
mouth, pharynx, oesophagus and gastrointestinal tract.

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

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### 12. ECOLOGICAL INFORMATION

Ecotoxic effects: Fish toxicity: fish LC<sub>50</sub> : 189 mg/l (sodium hydroxide : IN solution = 40 g/l). Harmful effect due to pH shift. Neutralize prior to passing into drainage system.



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Further ecologic data : No ecological problems are to be expected when the product is handled and used with due care and attention.

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### 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 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.\

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14. **TRANSPORT INFORMATION** : No subject to transport regulations.

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### 15. REGULATORY INFORMATION

Labelling according to EC Directives

Symbol	:	Xi	Irritant
R-phrases	:	36/38	Irritating to eyes and skin.
S-phrases	:	26	In case of contact with eyes , rinse immediately with plenty of water and seek medical advice.



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Water pollution class : 1 (Slightly polluting substance) (own classification).

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### 16. OTHER INFORMATION

Reason for alteration

Change in labelling

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.

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