



SAFETY DATA SHEET

1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY

Catalogue No. : S 53079
Product Name : SODIUM HYDROXIDE SOLUTION N/1

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

CAS-No : 1310-73-2 Ec-Index No. : 011-002-00-6
Molar Mass : 40.00 EC-No. : 215-185-5
Molecular Formula : NaOH

3. HAZARDS INDEX : Causes severe burns.

4. FIRST AID MEASURES : After inhalation : Fresh air. Summon doctor.
After skin contact : Wash off with plenty of water. Dab with polyethylene glycol 400.
Immediately remove contaminated clothing.
After eye contact : Rinse out with plenty of water for at least 10 minutes with the
eyelid held wide open. Immediately summon eye specialist.
After swallowing : Make victim drink plenty of water(if necessary several liters), avoid
vomiting(risk of perforation). Immediately summon doctor.
Do not attempt to neutralize.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media : CO₂ powder. Cover with dry sand or cement.
Fire extinguisher : Powder for glowing fire, carbon dioxide.
Special risks : Non-combustible. Ambient fire may liberate hazardous vapours.
Hydrogen may form upon contact with light metals (danger of explosion!).
Special protective equipment for fire fighting : Do not stay in dangerous zone without
suitable chemical protection clothing and self contained breathing apparatus.

Other information : Prevent fire fighting water entering surface water or ground
water. Contain escapig vapours with 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 : Carefully take up dry. Forward for disposal.
Clean up affected area.

Additional notes : Render harmless: neutralize with dilute sulphuric acid.

7. HANDLING AND STORAGE

Handling : No further requirements.
Storage : Tightly closed. Dry. Away from acids.



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Storage temperature : No restrictions.
Requirements for storage rooms and containers : No aluminium, tin, or zinc containers.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Respiratory protection : Required when dusts are generated.
Eye Protection : Required
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 : Immediately change contaminated clothing. Apply skin protective barrier cream. Wash hands after working with substance.

9. PHYSICAL & CHEMICAL PROPERTIES

Form	: Solid
Colour	: White
Odour	: Odourless
pH value at 50 g/l H ₂ O (20° C)	: ~13
Melting temperature	: Not applicable
Ignition temperature	: Not available
Flash Point	: Not applicable
Explosion limit lower	: Not available
upper	: Not available
Relative vapour density	: Not available

10. STABILITY & REACTIVITY : Conditions to be avoided : No information available.

Substances to be avoided : metals, light metals :

Formation of : hydrogen(risk of explosion !); acids, nitriles, alkaline earth metals in powder form, ammonium compounds, cyanides, magnesium, organic nitro compounds, organic combustible substances, phenols and oxidizable substances.

Hazardous decomposition products : No information available

Further information : Hygroscopic.

11. TOXICOLOGICAL INFORMATION

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

Further toxicological information :

After inhalation : burns of mucous membranes.

After skin contact : Burns

After eye contact : Burns. Risk of blindness!

After swallowing: Irritations of mucous membranes in the mouth, pharynx oesophagus, and gastrointestinal tract. Risk of perforation in the oesophagus and stomach.

Further data : Decomposition of the substance with tissue moisture. The product should be handled with the care usual when dealing with chemicals.

12. ECOLOGICAL INFORMATION : Biologic degradation : biologically non degradable.

Ecotoxic effects : Biological effects : Toxic effect on fish & plankton. Harmful effect



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due to pH shift. Death of fish possible. Does not cause biological oxygen deficit.
Neutralization possible in waste water treatment plants. Fish toxicity : LC₅₀ : 189 mg/lit
(1 N soln = 4gm/lit.); fish EC₀ : <20mg/lit.; aquatic organisms LC₅₀ : 10-100 mg/lit./96h;
Further ecologic data : Do not allow to enter water, 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 : 8 Number and letter : 4lb
Transport over land ADR/RID class : 8 Number and letter : 4lb
ADR/RID & GGVS/GGVE : Name of material : SODIUM HYDROXIDE

Sea Transport IMDG : IMDG class : 8 UN No. : 1823 Packing group : II
Ems : 8-06 MFAG : 705
Correct Technical Name : SODIUM HYDROXIDE

Air Transport ICAO/IATA class : 8 UN No. : 1823 Packaging group : II
ICAO-TI & IATA-DGR : Correct Technical Name : SODIUM HYDROXIDE

15. REGULATORY INFORMATION

Labeling according to EC Directives

Symbol : C Corrosive
R-phrases : 35 Causes severe burns.
S-phrases : 26-37/39-45 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable gloves & eye/face protection. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
Water pollution class : 1 (slightly polluting substance)

16. OTHER INFORMATION

Reason for alteration
Specific control parameter
General update

The information contained herein is based on the present state of our knowledge. It characterises the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.