



Siddharth Chlorochem PVT LTD

Material Safety Data Sheet

MSDS No: SCPL/004

Preparation Date: August/2018

Revision Date: May/2022

Product Name: Sodium Hydroxide (Caustic Lye) & Flake



Reactivity	1
Fire	0
Health	3

1. IDENTIFICATION OF PRODUCT/DETAILS OF MANUFACTURING COMPANY

Product Name	Sodium Hydroxide
Product Code	SCPL/004
Product use	General purpose, Industrial Purpose
Company Name	Siddharth Chlorochem Pvt. Ltd.
Postal address	Plot No: 313 Phase II GIDC Panoli, Dist: Bharuch, Guj, India
Telephone	+91 2646 272406
Fax	+91 2646 272691
E-mail	director@siddharthchlorochem.com

2. CHEMICAL INFORMATION ON INGRADIENTS

Physical Property	Liquid form			
Ingredients	<u>Name</u> Sodium Hydroxide	<u>CAS</u> 1310-73-2	<u>Proportion</u> 45-48% to 99%	<u>Hazard</u> Yes (Read entire MSDS)
Chemical structure	Na-OH			



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3. HAZARDS IDENTIFICATION

- a. Corrosive! Harmful to inner respiratory systems if swallowed in large quantity. Causes several skin and eye burns. Vapors are extremely irritating to eyes and respiratory tracks.
- b. Skin Contact: Corrosive! Burns can occur if not promptly removed. Concentrated solution may cause pain and deep and severe burns to the skin.
- c. Eye contact: Extremely corrosive! This product causes corneal scarring and clouding. Glaucoma, cataracts and permanent blindness may occur.
- d. Other health effects: Corrosive effects on skin and eye may be delayed, and damage may occur without the sensation or onset of pain.

4. FIRST AID MEASURES

Inhalation	Corrosive. Extremely destructive to tissues of the mucous membranes and upper respiratory tract. Symptoms may include burning sensation, coughing, wheezing, laryngitis, shortness of breath, headache, nausea and vomiting. Inhalation may be fatal as a result of spasm inflammation and edema of the larynx and bronchi, chemical pneumonitis and pulmonary edema.
Ingestion	Corrosive. Swallowing can cause severe burns of the mouth, throat, and stomach, leading to death. Can cause sore throat, vomiting, diarrhea.
Skin	Prompt removal of the material from the skin is essential. Remove all contaminated clothing and immediately wash the exposed area with copious amount of water for min of 30 min.
Eye	Immediately flush eye with running water for min 30 minutes. Hold Eyelids open during flushing. If irritating persists repeat flushing.
Advice to Doctor	Immersed the exposed part immediately in ice water to relieve pain and to prevent swelling & blistering. Place cold packs, ice or wet clothes on the burned area if immersion is not possible.



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5. FIRE FIGHTING MEASURES

Fire hazards	Non-flammable.
Extinguishing media	NA
Precaution	NA as non-flammable

6. ACCIDENTAL RELEASE MESURES

Spills & Disposal	Remove all sources of ignition. Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8. Keep unnecessary and unprotected personnel away. Spills: Clean up spills in a manner that does not disperse dust into the air. Use non-sparking tools and equipment. Pick up spill for recovery or disposal and place in a closed container. If material comes in contact with water, neutralize liquid with dilute acidic material (like, HCl or sulfuric acid) then absorb with an inert material (e.g., vermiculite, dry sand, earth) and place in a chemical waste container.
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7. HANDLING AND STORAGE

Handling and Storage	Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage. Isolate from any source of heat or ignition. Storage in metal containers like rubber lined or S.S. is recommended, even plastic drums are recommended Containers of this material may be hazardous when empty since they retain product residues (dust, solids); observe all warnings and precautions listed for the product.
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8. EXPOSURE CONTROLS/PERSONEL PROTECTION

Exposure information	We recommend the following for nuisance fumes, dusts: TWA 2 mg/m ³
Respiratory	Avoid inhalation of fumes
Eye protection	Avoid contact with eyes
Personnel protective Equipment	Safety glasses and gloves recommended and dust mask in accordance with AS1715 and AS1716.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear liquid / Solid flake
Melting point	Approx. 318-320 C
PH value	10-12
Volatile compound	Non volatile
Boiling point	1390 degree centigrade
Flammability	Non-flammable
Ignition	Not available
Molecular Wt.	40
Solubility in water	very good
Reaction hazard	If react with strong acid
Haz polymerization	Not possible
Decomposition product	Sodium chloride, and water

10. STABILITY AND REACTIVITY

Reaction hazard	If react with strong acid
Haz polymerization	Not possible
Decomposition product	Sodium chloride and water



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11. TOXICOLOGICAL INFORMATION

Toxicology	Actuate oral toxicity: LD50 580 mg/Kg (rat)
Irritating	Actuate skin irritation:
Inhalation	Is likely to cause respiratory irritation
Ingestion	Harmful if swallowed in large quantity
Eye	This product is irritating to eyes. It will cause discomfort such as Stinging pain, watering and redness of the eyes. Effects may last after Exposure has ceased, and in severer exposures, long lasting or even Permanent effects such as corneal damage can occur.

12. ECOLOGICAL INFORMATION

Information on	Fish Not Available
	Dophia Not Available
	Algae Not Available

13. DISPOSAL CONSIDERATION

Deactivating chemicals	Neutralize carefully with dilute acid to a ph of 7 Neutralization is expected to be an exothermic.
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14. TRANSPORT INFORMATION

U.N. Number	Please consult North American Emergency guide book, via UN# for guidance on addressing spills.
Shipping Description	Class 8, UN 1824, Packing group: II
Label	Corrosive.
EMS	F A, S B
Marine Pollutant	Yes



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15. REGULATORY INFORMATION

Safety Phrase	In case of contact with eyes rinse immediately with plenty of water And take medical attention.
Poisons Schedule	Not poison

16. OTHER INFORMATION

Contact person	Mr. Hitesh Shah Tech Director of Siddharth Chlorochem Pvt. Ltd. Tele: +91 980 702 6666 Any advice, recommendation, information, assistance or service Provided by Siddharth Chlorochem Pvt. Ltd. In relation to the goods Supplied by it or their use or application is given in good faith & believed to be appropriate and reliable. However, it is provided with the disclaimer for any liability or responsibility on the part of Siddharth Chlorochem Pvt. Ltd. The customer accepts all risk and responsibility for use of the goods alone, or in combination with the other products. All warranties, guarantees and conditions, other than those expressly stated. In case of any dispute Indian laws for the same is applicable.
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