


MATERIAL SAFETY DATA SHEET	MSDS NO.:	REVISION DATE:	PAGE	
SODIUM HYDROXIDE	01	01/09/2008	1 of 3	

Meghmani Fine Chem Limited urges the customers receiving this Material Safety Data Sheet (MSDS) to study it carefully to become aware of hazards, if any, of the product involved. In the interest of Safety, you should notify your employee, agent & contractors about the information on this sheet, furnish a copy of each of your customers for the product, and request your customers to inform their employees and customers as well.

[1] CHEMICAL IDENTITY

Chemical Name : Sodium Hydroxide	Chemical Classification : Alkaline Inorganic Compound
Synonyms : Caustic Soda, Soda Lye, Lye	Trade Name : Not pertinent
Formula : NaOH Mol. Wt. : 40	C A S No. : 1310-73-2 UN No.: 1823 / 18
Regulated identification :	
Shipping Name : Sodium Hydroxide, Solid / Solution	Hazardous Waste ID No. : 16
Codes / Label : Corrosive, Class 8	Hazchem Code : 2 R
Hazardous Ingredients: Sodium Hydroxide	C A S No. : 1310-73-2

[2] PHYSICAL & CHEMICAL DATA


Boiling Range / Point : 1390°C	Physical State : Solid
Melting / Freezing Point : 318.4°C	Appearance : White flakes / pellets
Vapour Pressure : 1 mm/Hg at 730°C	Odour : Odorless
Vapour Density : Not pertinent	Evaporation Rate : Not pertinent
Specific Gravity / Density : 2.12 at 24°C	pH (Solution) : 13.14
Solubility in water : Soluble	

[3] FIRE & EXPLOSION HAZARD DATA

Flammability : No	Lower Explosive Limit : Not pertinent
TDG Flammability Class: Not pertinent	Upper Explosive Limit : Not pertinent
Flash Point : Not pertinent	Explosion Sensitivity to impact : Stable
Auto ignition temp. : Not pertinent	Explosion Sensitivity to Static Electricity : No
Hazardous products of combustion:	Emits toxic fumes of Na ₂ O
Hazardous Polymerization :	Will not occur
Corrosive : Yes	Oxidizing properties : Yes

[4] REACTIVITY DATA

Chemical Stability : Stable
Hazardous polymerization : Does not occur
Incompatibility : With water, Acids, Flammable liquids, Organic halides, Metals – Al, Sn, Zn, Nitro Methane and Nitro Compounds
Reactivity : Vigorous reaction with organic halides, metals, nitro compounds
Hazardous Reaction : Not pertinent

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[5] HEALTH HAZARD DATA


Routes of entry : Inhalation, ingestion, eyes and skin	
Effects of Exposure / Symptoms :	
Inhalation : Causes small burns to upper respiratory tract and lungs, mild nose irritation, Severe scarring or perforation	
Skin : Causes severe burns	
Eyes : Severe damage	
Ingestion : Causes severe damage to mucous	
Emergency Treatment :	
Inhalation : Remove the victim from exposure. Support respiration, give oxygen, if necessary.	
Skin : Wash the affected area with plenty of water and soap.	
Eyes : Wash with plenty of water for 15 minutes. Seek medical aid immediately	
Ingestion : Give water or milk followed by vinegar or fruit juice. Do not induce vomiting	
TLV (ACGIH) : 2ppm (cc)	STEL : Not listed
LD 50 : Not listed	Odour threshold : Odourless
NFPA Hazard Signals : Health - 3	Flammability - 0
Reactivity - 1	Special - Not pertinent

[6] PREVENTIVE MEASURES

Personal protective Equipment	Avoid contact with liquid or solid. Provide side covered safety goggles, face shield, dust type respirator, rubber hand gloves & rubber shoes.
Handling and storage Precautions	Keep in cool, dry and well ventilated place

[7] EMERGENCY FIRST AID MEASURES

Fire	Non Combustible
Unusual Hazard	Keep the containers cool by spraying water if exposed to fire. Flammable gas may be produced on contact with metals.
Exposure	If eyes are affected, flush with plenty of water for 15 min. If the skin is affected, remove contaminated clothes and shoes, wash the affected area with plenty of water. If inhaled, remove the victim to fresh air area, support respiration, Seek medical aid immediately
Spills	Sweep and collect without making dust. Wash the surface with plenty of water and soap. Seal all waste in vapour tight plastic bags for eventual disposal.

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[8] ADDITIONAL INFORMATION / REFERENCES

Additional Information: Vigorous reaction with 1, 2, 4, 5 – Tetrachlorobenzene has caused many industrial explosions and forms extremely toxic 2, 3, 7, 8 – Tetrachloro dibenzodioxine. Under proper conditions of temperature, pressure, and state of division, it can react or ignite violently with acetic acid, acetaldehyde, acetic anhydride, acrolein, acrylonitrile, allyl alcohol, allyl chloride.

Reference : MSDS from ICMA

[9] MANUFACTURERS / SUPPLIERS DATA

Name of the firm	Meghmani Fine Chem Ltd.,	Contact Person in Emergency: GM (Works)
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[10] DISCLAIMER

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