



Section 1 - Identification

Product Name: Sodium Hydroxide 50%
Alternate Name: (internal# CPL2016)
Recommended Use: Boiler water treatment
Manufacturer: Chem Pro Laboratory, Inc., 941 W 190th St, Gardena CA 90248, 310-532-8611
ChemTrec: 800-424-9300 (Transportation Spill Response 24 hours)

Section 2 - Hazard(s) identification

Classification of the chemical in accordance with paragraph (d) of §1910.1200;

DANGER



Toxic if swallowed

Causes severe skin burns and serious eye damage

Do not breathe dusts or mists.

Do not eat, drink or smoke when using this product.

Wash contacted areas thoroughly after handling.

Wear eye and face protection, and protective gloves and clothing.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor.

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a poison center or doctor.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Wash skin with plenty of water. Wash contaminated clothing before reuse.

IF SWALLOWED: Call a poison center or doctor if you feel unwell. Rinse mouth. Do NOT induce vomiting.

Store locked up.

Dispose of contents/container in accordance with federal, state, and local regulations.

Section 3 - Composition/information on ingredients

Chemical Name	CAS Number	Percent
sodium hydroxide	1310-73-2	50-60%

Section 4 - First-aid measures

Emergency and First Aid Procedures:

Inhalation Remove to fresh air. If symptoms persist, get medical attention.
Eye Contact Immediately flush with plenty of water, continuing for at least 15 minutes. Get medical attention.
Skin Contact Promptly wash with plenty of soap and water.
Ingestion Give large amounts of water to drink and call a physician. Do not induce vomiting.

Symptoms of Overexposure:

Inhalation Inhalation of product dust or mist may irritate respiratory tract.



Contact with Skin or Eyes Eye contact may cause blindness.
Absorption Through Skin Contact with body tissue causes severe burns.
Ingestion Swallowing can be fatal.

Section 5 - Fire-fighting measures

Extinguishing Media carbon dioxide, dry chemical, or appropriate foam
Fire Fighting Procedure Caustic soda is non flammable
Unusual Fire/Explosion Hazard None
Hazardous Combustion Products Substance is noncombustible

Section 6 - Accidental release measures

Spill Response Procedure Dike area to contain spill. Use vacuum trucks (where practical) to pick up spill for controlled disposal or recovery. Neutralize any remaining materials with dilute acid. Use caution - heat release occurs; could cause violent splattering.

Section 7 - Handling and storage

Handling Precautions Do not get in eyes, on skin, on clothing; avoid breathing mists; do not take internally; wear protective equipment whenever handling. Do not store in magnesium, zinc (galvanized), tin, chromium, brass, bronze or aluminum. Maintain storage temperature between 75 deg F and 140 deg F, in steel equipment.
Storage Conditions Store in a cool dry place. Keep container tightly sealed in a dry and ventilated area. Do not store unopened containers in direct sunlight for extended periods.

Section 8 - Exposure controls/personal protection

Chemical Name	OSHA PEL	ACGIH TLV
sodium hydroxide	2 mg/m3 TWA	2 mg/m3 (C)
Ventilation	Mechanical (general) exhaust required.	
Respiratory Protection	NIOSH/MSHA approved mechanical filter type for exposure to mists above TLV.	
Protective Gloves	Rubber gloves.	
Eye Protection	Close fitting chemical safety goggles and face shield.	
Other Protective Equipment	Rubber apron, rubber boots, plastic hard hat, PVC clothing, eye wash fountain, safety shower.	
Work / Hygienic Practices	Handle in accordance with good industrial hygiene and safety practices.	

Section 9 - Physical and chemical properties

Appearance	White liquid to slightly turbid	Vapor Pressure @20°C	1
Odor	Odorless	Vapor Density	N/A
Odor Threshold	N/A	Specific Gravity	1.5
pH	>12.5	Solubility in Water	Complete
Melting Point, °F	N/A	Partition Coefficient	Not Determined
Boiling Point, °F	288-289 deg F	Auto Ignition Temp, °F	No specific information.
Flash Point, °F	Not Flammable	Decomposition Temp, °F	Not Determined
Evaporation Rate	0.8	Viscosity	Not Determined
Flammability Limits	N/A	Percent Volatile	50



Section 10 - Stability and reactivity

Reactivity in water: N/A
Stability stable under normal conditions
Conditions to Avoid None
Incompatible Materials Strong oxidizing agents. Strong acids.
Hazardous Decomposition Products None
Hazardous Polymerization Hazardous polymerization will not occur.

Section 11 - Toxicological information

Routes of Entry inhalation, skin or eye contact, ingestion
Acute Exposure Symptoms Contact with body tissue causes severe burns.
Chronic Exposure Effects Not known
Medical Conditions Aggravated By Exposure N/A

Acute Toxicity:

Chemical Name	CAS Number	Oral LD50	Dermal LD50	Inhalation LC50
sodium hydroxide	1310-73-2	300-500 mg/kg	>2000 mg/kg	no data

Carcinogenicity:

Ingredients are on the following lists of suspected or known carcinogens:

Chemical Name	CAS Number:	IARC	NTP	OSHA
sodium hydroxide	1310-73-2	No	No	No

Section 12 - Ecological information

Overview: No data

Section 13 - Disposal considerations

Preparing Waste For Disposal Neutralized solutions should be diluted with plenty of water and flushed to the sewer. Contact local waste disposal contractor for disposal of un-neutralized material.

Section 14 - Transport information

DOT Shipping UN1824, SODIUM HYDROXIDE SOLUTION, 8, PG II

Section 15 - Regulatory information

California Proposition 65 This product does not contain chemicals listed by California proposition 65.
HMIS Ratings Health: 3, Flammability: 0, Reactivity: 1

Section 16 - Other information

Date Prepared 5/21/2015
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CHEM PRO LAB INC

WATER TREATMENT SPECIALISTS
CHEMICAL ENGINEERS

SAFETY DATA SHEET
Sodium Hydroxide 50%

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