



Better Chemistry.

2001035

Alkaline Cleaner

563 South Leonard Street
Waterbury, CT 06708

: 203-756-5521

203-756-9017

Emergency Phone Number

1 (800) 424-9300

If inhaled: Remove person to fresh air and keep comfortable for breathing.
 Immediately call poison center or doctor and explain the type of exposure to the chemical(s) and provide
 Specific treatment - refer to poison center or doctor for advice.
 Store locked up.
 Store in corrosive resistant high density polyethylene container.
 Store in well ventilated place. Keep container tightly closed.
 Dispose of contents/container in accordance with local, regional, national, or international regulations.

Sodium Hydroxide	Caustic Soda	1310-73-2	35-45%
Sodium Metasilicate	Disodium Metasilicate	6834-92-0	20-30%
Sodium Carbonate	Soda Ash	497-19-8	15-25%
Tetrasodium Pyrophosphate	TSSP	7722-88-5	4-8%

Move to fresh air. If breathing is difficult, give oxygen. If breathing stops, provide artificial respiration. Do not use mouth-to-mouth method if victim inhaled the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one way valve or other proper respiratory device. Call a physician or poison control center immediately.

Take off immediately all contaminated clothing. Wash off IMMEDIATELY with plenty of water for at least 15-20 minutes. Get medical attention immediately! Wash clothing separately before reuse. Destroy or thoroughly clean all contaminated shoes.

Immediately flush with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. Call a physician or poison control center immediately.

Call a physician or poison control center immediately. Do not induce vomiting. Immediately rinse mouth and drink plenty of water. If vomiting occurs, keep head low so that the stomach content doesn't get into the lungs. Never give anything by mouth to an unconscious person. Do not use mouth-to-mouth method if victim ingested the substance.

Fire fighters should enter area only if they are protected from all contact with the material. Full protective clothing, including self-contained breathing apparatus, coat, pants, gloves, boots and bands around legs, arms, and waist, should be worn. No skin surfaces should be exposed.

Prevent spilled product from drains, sewers, waterways and soil.

Wear appropriate chemical protection equipment such as gloves, face-shield, goggles and suitable body protection to prevent contamination of skin, eyes and personal clothing.

If trained in accordance 29 CFR 1910.120, leaks should be stopped. Spills should be contained and cleaned immediately. Persons performing clean up work should wear adequate personal protective equipment and clothing. Spills and releases should be reported, if required, to the appropriate local, state and federal regulatory agencies.

Use caution when combining with water. DO NOT add water to Caustic. ALWAYS add caustic to water while stirring to minimize heat generation. Do not get in eyes, skin or on clothing. Do not taste or swallow. Do not breath vapor or mist. Use only with adequate ventilation. Wear appropriate personal protective equipment. Transfer and storage systems should be compatible and corrosion resistant. Observe good industrial hygiene practices.

Keep container tightly closed.

Store in cool dry place.

Store away from incompatible materials. (See section 10).

Store in corrosive resistant container.

Sodium Hydroxide	ACGIH	2 mg/m3	-
Sodium Metasilicate	not established	-	-
Sodium Carbonate	not established	-	-
Tetrasodium Pyrophosphate	ACGIH	5 mg/m3	-

Use local exhaust to keep personal exposures below the OSHA Permissible Exposure Limit (s) (PEL) or the ACGIH threshold Limit Values (TLV)Time Weight Average (TWA).

A respiratory protection program that meets OSHA 29 CFR 1910.134 and ANSI 788.2 or applicable federal requirements must be followed whenever work place conditions warrant respirator use. NIOSH's Respirator Decision Logic" may be useful in determining the suitability of various types of respirators.

Not required if proper ventilation controls are employed.

It is recommended that a hazard assesment in accordance with the OSHA PPE standard (29 CFR 1910.132) be conducted before using this product.

Rubber gloves

Wear chemical safety goggles with face shield.

Wear chemical resistant apron.

White to off-white granular mixture

No odor

N/A

Approximately 13

N/A

N/A

N/A

N/A

N/A

N/A

N/A

N/A

N/A

Complete in water

N/A

N/A

N/A

N/A

Contact with metal may release flammable hydrogen gas.

Stable under normal conditions

Hazardous polymerization does not occur.

Reacts violently with strong acids. This product may react with oxidizing agents. Do not mix with other chemicals. Corrosive to aluminum, tin, zinc, copper and most alloys in which they are present including brass and bronze. Corrosive to steels at elevated temperatures above 40 °C.

Avoid contact with aluminum, tin, zinc, halogenated solvents, and strong oxidizers and acids.

Contact with metal (aluminum, zinc, tin) and sodium tetrahydroborate liberates hydrogen gas.

Caustic 50% solution: LD50, Rat-300-500 mg/kg

Sodium Metasilicate-(Rat-male and female) LD50-1152-1349 mg/kg

Caustic 50% solution-LD50 Rabbit->2 g/kg

Severe irritation or burns to skin, eyes and respiratory system

Not listed by IARC, NTP, OSHA, ACGIH

Caustic-99 mg/L, 48 hrs

Unlikely

Disperses in water.

Pronounced solubility and mobility

