



Immediately call poison center or doctor and explain the type of exposure to the chemical(s) and provide the name of the chemical(s).

If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

Specific treatment - refer to poison center or doctor for advice.

Store locked up.

Store in corrosive resistant high density polyethylene container.

Dispose of contents/container in accordance with local, regional, national, or international regulations.

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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).

Do not allow material to freeze.

Store in corrosive resistant container.

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| Sodium Hydroxide | ACGIH | 2 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).

Rubber gloves

Wear chemical safety goggles with face shield.

Wear chemical resistant apron.

White to off-white granular mixture

No odor

N/A

5% solution - >13.0

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

***Dispose of in accordance with local, state and federal regulations.***

