



SODIUM HYDROXIDE



UN 1823 (Dry solid)

UN 1824 (Solution)

Shipping Name: UN 1823 Sodium hydroxide, solid

UN 1824 Sodium hydroxide, solution

Other Names: Caustic soda

Soda lye

Caustic soda, solution

Sodium hydrate

Lye

White caustic

WARNING! • **CORROSIVE! SKIN AND EYE CONTACT WILL CAUSE BURNS AND BLINDNESS!**
• Firefighting gear (including SCBA) does not provide adequate protection. If exposure occurs, remove and isolate gear immediately and thoroughly decontaminate personnel

Hazards: <ul style="list-style-type: none">• Reacts with water or moisture to produce large amounts of heat and may splatter• Reacts with some metals to produce highly flammable hydrogen gas	Description: <ul style="list-style-type: none">• White solid or clear to milky solution in water• No odor• Soluble in water producing large amounts of heat• Nonflammable
Awareness and Operational Level Training Response: <ul style="list-style-type: none">• Stay upwind and uphill• Determine the extent of the problem• Isolate the area of release or fire and deny entry• Notify local health and fire officials and pollution control agencies• If material or contaminated runoff enters waterways, notify downstream users of potentially contaminated water	Operational Level Training Response: <p>RELEASE, NO FIRE:</p> <ul style="list-style-type: none">• Cover solid material to protect from wind, rain or spray• Stop the release of liquid material if it can be done safely from a distance• Prevent material and runoff from entering sewers and waterways if it can be done safely well ahead of the release <p>FIRE:</p> <ul style="list-style-type: none">• Material does not burn; fight surrounding fire with an agent appropriate for the burning material• Cool exposed containers with large quantities of water from unattended equipment or remove intact containers if it can be done safely• If cooling streams are ineffective (venting sound increases in volume and pitch, tank discolors or shows any signs of deforming), withdraw immediately to a secure location

First Aid:

- Do not put yourself in danger by entering a contaminated area to rescue a victim
- Provide Basic Life Support/CPR as needed
- Decontaminate the victim as follows:
 - ◆ Inhalation - remove the victim to fresh air and give oxygen if available
 - ◆ Skin - remove and isolate contaminated clothing (including shoes) and wash skin with soap and large volumes of water for 15 minutes
 - ◆ Eye - rinse eyes with large volumes of water or saline for 60 minutes and seek medical evaluation
 - ◆ Swallowed - do not make the victim vomit
- Seek medical attention
- For skin burns decontaminate with water and apply a clean dry dressing

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