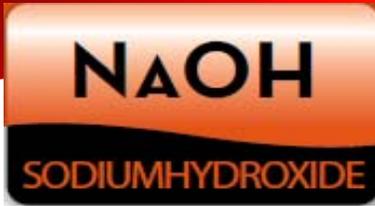


Sodium Hydroxide

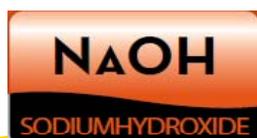
Defying a chemical that "finds" leaks.



Commonly known as caustic soda or liquid lye, sodium hydroxide is used to adjust pH in water and wastewater treatment and in the manufacture of chemicals, rayon, cellophane, pulp and paper, aluminum, detergents, soaps and a wide range of other products. As for storage:

- Sodium hydroxide is a "slippery" chemical that tries to find leak paths.
- This chemical is extremely corrosive to tissue. It is also highly toxic if ingested.
- If sodium hydroxide is not kept at a specific temperature, it will crystallize and go solid.

A tank system and proper fittings from PlasticTankSuperStore can reduce your risk with this hazardous chemical.





PLASTICTANKSUPERSTORE SODIUM HYDROXIDE SYSTEM

The key to storing sodium hydroxide properly is strong, safe containment. Since the chemical is so corrosive, secondary containment is an absolute necessity.

If secondary containment is already available, the IMFO® tank is recommended. The IMFO® systems are ideal for Sodium Hydroxide Systems, since their flange is actually a molded part of the tank, not an insert that could leak or fail. The IMFO® also **insures long-term performance of the overall system**, since it eliminates the need to drill into the sidewall of the tank and install a mechanical fitting, which can create a maintenance issue for this chemical.

When secondary containment is not available, a SAFE-Tank® can meet this requirement. This "tank within a tank" extends the margin of safety by providing a system with **110% secondary containment**.

The tank's high-density crosslinked polyethylene construction means greater strength. It is so strong, infact, that PlasticTankSuperStore offers a **warranty of five full years** on all tanks.

CHEMICAL	RESIN TYPE	SPECIFIC GRAVITY RATING	FITTING MATERIAL	GASKET MATERIAL	BOLT MATERIAL
Sodium Hydroxide 50%	XLPE	1.65	PVC	EPDM	316SS

See our website at www.plastictanksuperstore.com for a complete Chemical Resistance Chart.

Tank Specifications & Technical Overview

IMFO® VERTICAL FLAT BOTTOM OF XLPE:

- 230-13,650 gallons
- 1.65 spg rating

NON-IMFO® ALTERNATIVES:

SAFE-Tank® XLPE:

- 55-8,700 gallons
- 1.65 spg rating for primary tank
- Spg ratings for secondary tanks must be equal to primary tank.
- All other tank sizes must equal primary tank spg rating.

Standard Vertical Flat Bottom XLPE:

- 30-13,650 gallons
- 1.65 spg rating

NOTE: Heating pad and insulation are highly recommended to prevent crystallization of the chemical.

Alternative secondary containment: PPC secondary containment basin or other secondary containment suitable for sodium hydroxide, of adequate size for use

Plumbing: Requires use of flexible connections with fittings on lower third of sidewall. See page 54 for flexible connections options.

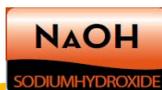
Venting: See chart on page 63.

Foundation: PPC IMFO® tank pad or smooth concrete, asphalt or steel foundation designed to accommodate IMFO®, SAFE-Tank® or vertical tank

Temperature: Product should not exceed 100°F at delivery or during storage or drop below 50°F to prevent damage to the chemical. Contact Customer Support if chemical is to exceed 100°F.

Lid: SAFE-Surge™ manway cover for pneumatically loaded tanks; bolted manway cover for all other applications

Options: Restraint systems for wind and seismic, level gauges, ladders, heating pads, insulation, mixer mounts, OR-1000™ for NSF-61 certification and engineering stamp



PLASTICTANKSUPERSTORE

The above components are just a few of the many options we offer. See our [website](http://www.plastictanksuperstore.com) or talk to your PlasticTankSuperStore representative to find out more.

www.PlasticTankSuperStore.com

800 401 5877 - 714 480 1290