



# INDUSTRIAL CHEMICALS CORPORATION

Firm Delivery No. 319 Road 127  
Peñuelas, Puerto Rico 00624-1630  
Tel: (787)836-1260 / Fax: (787)836-1240  
**Emergency Number: 787-836-1260; 787-922-9152**



## TECHNICAL DATA SHEET Sodium Hydroxide

### GENERAL INFORMATION

SODIUM HYDROXIDE is a common base used in the chemical industry to make products including plastics, soaps rayon and textiles, Revitalizing acids in petroleum refining, Removal paint, Etching aluminum, Neutralization, and water treatment processes.

SODIUM HYDROXIDE can sometimes be replaced with Potassium Hydroxide which is another strong base and can create some of the same results.

### PRODUCT SAFETY INFORMATION

Handle and open container with care. Use only with adequate ventilation. Add this product only to water. Never add water to this product. Do not add to warm or hot water, a violent eruption or explosive reaction can result. Avoid contact with organic materials. Take any precaution to avoid mixing with strong acids. May cause fire or explosion. When making solutions or diluting, only add caustic soda slowly to surface of cold water while stirring. Attacks many metals producing extremely flammable hydrogen gas which can form explosive mixtures with air.	<b>DOT CODE</b> UN 1824	<b>GHS CODE</b> Skin Corrosive Cat 1A Corrosive (C) R35 Serious Eye Damage Cat 1	<b>HMIS CODE</b>					
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Caustic soda may react with various sugars to generate carbon monoxide. Hazardous carbon monoxide gas can form upon contact with food and beverage products in enclosed vessels and can cause death. Do not reuse container. Wear appropriate personal protective equipment, avoid direct contact. Do not breathe mist, vapors, spray. Do not get in eyes, on skin, or on clothing. Do not ingest. Avoid Contact with skin. Contact with hot material causes thermal skin burns. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco.

### PHYSICAL PROPERTIES INFORMATION

Physical state:	Liquid
Color:	Clear to yellowish
Odor:	Slight odor of sulfur dioxide
pH:	3.9 – 4.6
Specific Gravity:	1.19 – 1.34

### STORAGE INFORMATION

Keep container(s) tightly closed. Store this material in cool, dry well ventilated areas. Store only in approved acid resistant containers. Keep away from any incompatible material. Protect container(s) against physical damage. Liquid caustic soda becomes more viscous and harder to handle as it approaches its freezing point, at which it becomes solid. Refer to freeze point temperature in properties section. User should ensure that equipment and procedures are in place to ensure safe handling of the caustic at temperatures involved, which may include the need to heat or maintain temperature of the material.

**Shelf life:** Stored under controlled conditions 10 years.

### DELIVERY

Containers: 55 Gal Plastic drums / 250 Gal Tote bin / Bulk tank trucks.

### NOTE

Refer to the SDS for further health, safety and environmental information regarding this product. Information and recommendations in this technical data sheet are based on information believed to be reliable. However, the use of the product is beyond our control, and no guarantee expressed or implied is made as to the effects of such the results to be obtained id not used in accordance with directions or established safe practice. The buyer must assume all responsibility including injury or damage, resulting from misuse of the product as such, or combination with other materials.

Update date: March 9, 2016



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