

## Sodium Hydroxide (Caustic Soda) 48-50%



Caustic soda is a white, odorless, and solid inorganic compound chemical. Its water solution has numerous applications in different industries because of its highly caustic base and alkalescence. Sodium hydroxide, with the formula NaOH, also known as lye and caustic soda, is a popular strong caustic base. Caustic soda is used in many industries in order to increase the alkalinity of different environments or to dissolve grease, oils, fats and protein-based deposits; So much so that, it's generally regarded as industrial degreaser and oil remover. The solubility of Caustic Soda in 100 milliliters of 20 centigrade water is 111 grams. Although, its solubility increases as the water gets warmer. It is also soluble in equal proportion in organic solvents such as ethanol, methanol and glycerin.

Here are some of the industries which use the caustic soda on a regular basis:

- Paints and resins and adhesives industry
- Paper and cardboard Industries
- Leather and Textile Industries
- Oil, Gas and Petrochemical industries
- Degreasers industry and other related industries
- Food and Agriculture Industry, milk and dairy industry, canning,
- Beverage factories, edible oil industry and sugar mills.
- Pharmacy and alcohol industry and cosmetics industry
- Metal and plating Industries and, galvanizing, zinc, aluminum



Phone: +2033089936—+201204010451

Fax: +2033089937

Hotline: +201005289329

Email: medhat@auamedegypt.com

[www.aquamedegypt.com](http://www.aquamedegypt.com)

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## General Information

|                        |   |
|------------------------|---|
| Other commercial names | Liquid Caustic Soda, Sodium Hydroxide   |
| Chemical formula       | NaOH  |
| Physical properties    | this substance is a light color liquid and no odor.   |
| Product type           | Industrial  |
| Interactions           | It is a stable liquid and is soluble in water and dissolves in ethanol, methanol and glycerin at equal ratio.                                   |
| Production Process     | In the process of sodium chloride electrolysis, sodium hydroxide and chlorine gas are also produced.  |
| storage                | minimizing contact with air and reducing direct contact with metals containing iron will increase the storage life of sodium hydroxide solution |

## Technical Information

|                     |   |
|---------------------|---|
| molecular mass      | 39.9971 g.mol   |
| Density             | 2.13 g/cm   |
| melting point       | 318 C°  |
| Boiling point       | 1,388 C°  |
| Solubility in water | 418 (g/L (0 °C  |
| Other anions        | Sodium hydrosulfide   |
| Other cations       | Lithium hydroxide, Sodium hydroxide, Rubidium hydroxide, Cesium hydroxide |

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## Packing

### IBC Tank 1000 Lit

