



TECHNICAL SHEET

CAUSTIC SODA LYE

ME Type

Last revision 2018

Chemical Name: Molecular formula: NaOH
NO.CAS 1310-73-2
Abbreviation: Caustic Soda

General Description:

Caustic soda lye (sodium hydroxide solution) is manufactured by the electrolysis of brine using membrane technology.

It is a clear, colorless and odorless liquid.

Sodium hydroxide is a strong electrolyte, being completely ionized in solution state. It is a stable product when stored under normal conditions of pressure and temperature, in tightly closed tank cars or containers.

Technical Quality Conditions:

Characteristics	MU	Values	Testing methods
Appearance	-	clear liquid, free of mechanical impurities	visual
Sodium hydroxide (NaOH), min.	%	48	STAS 3068
Sodium carbonate (Na ₂ CO ₃), max.	%	0.25	STAS 3068
Sodium chloride (NaCl), max	%	0.050	ASTM E 291
Iron oxides (Fe ₂ O ₃), max.	%	0.001	STAS 3068

Specific Properties:

pH	strongly alkaline
Boiling point	145°C
Ignition temperature	not ignitable
Density at 25°C	1.53

The specific properties present approximate values and contain general information, without being part of the technical quality conditions.

Main Applications:

- oil industry
- petrochemical industry
- soap and detergents industry
- pulp and paper industry, for chemical treatment of wood
- soap industry
- chemical industry (for the manufacturing of dyestuff, phenol, phosphates, sodium hypochlorite)
- aluminum industry



S.C. CHIMCOMPLEX S.A. BORZEȘTI - ROMÂNIA
Sucursala Râmnicu Vâlcea

✉: Str. Uzinei, nr. 1, Râmnicu Vâlcea, jud. Vâlcea
Tel: +40 250 701 200; Fax: +40 250 735 030
www.chimcomplex.ro

Packaging and storage:

Caustic soda solution is packed in inner covered steel tanks, equipped with heating coils, supplier or customer property, 20 or 40 tons capacity.

The product is stored in inner covered steel reservoirs or tanks.

Safety Information:

Caustic Soda solution is a corrosive product.

Before handling and using of product, the personnel must be aware of the dangers implied. This information is available in SDS and on the product label.

Warning:

Please contact CHIMCOMPLEX BORZESTI-Ramnicu Valcea Branch to see if the document has been revised and for any other additional information related to the product.

Important:

For a better suitability of the product for your particular purpose, tests are recommended prior product use. You are advised to make your own determination as to safety, appropriate manner of handling, storage, use and disposal. All the information contained in this product technical sheet is offered for your consideration, investigation and verification. The data is presented in good faith and is believed to be reliable. You should not consider the descriptions, information, data or design as a part of our terms and conditions of sale. We expressly disclaim responsibility or liability for any loss, damage or expense arising out of reliance on the information provided herein.