

## **i** 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.

## **Q** TECHNICAL QUALITY CONDITIONS

No.	Characteristics	M.U.	Values
1	Appearance	-	clear liquid, free of mechanical impurities
2	Sodium hydroxide (NaOH), min.	%	48
3	Sodium carbonate (Na <sub>2</sub> CO <sub>3</sub> ), max.	%	0.25
4	Sodium chloride (NaCl), max	%	0.050
5	Iron oxides (Fe <sub>2</sub> O <sub>3</sub> ), max.	%	0.001

## **🧪** 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.

## **📄** GENERAL CHARACTERISTICS

Specific Properties	Values
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.

## **📦** PACKING

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

## **🏠** STORAGE

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

## **🚚** TRANSPORT

Caustic soda Lye can be shipped according to transport regulations for dangerous goods, hazard class 8, Corrosive substance.

**!** Methods for measuring the technical characteristics are available on request

All informations contained in this product data sheet is provided for your consideration, research and verification. For a better suitability of the product to your purpose, we recommend you carry out tests before using the product. We advise you to have your own decisions regarding safety, proper handling, storage, use and disposal. We expressly disclaim any liability for any loss, damage or expense resulting from reliance on the information provided herein. For more information, please refer to our safety data sheet.