

## **i** GENERAL DESCRIPTION

Caustic soda solution (sodium hydroxide solution) is obtained through the electrolysis of brine using membrane technology. It is a clear, colorless and odorless liquid.

## **Q** TECHNICAL QUALITY CONDITIONS

No.	Properties	U.M.	Admissibility conditions
1	Appearance	-	colorless clear liquid
2	Sodium Hydroxide content	%	min. 48
3	Sodium Chloride content	mg/kg	max. 100
4	Chlorates content (NaClO <sub>3</sub> )	mg/kg	max. 50
5	Iron content	mg/kg	max. 5
6	Nickel content	mg/kg	max. 1

## **flask** USES

- in chemical industry for manufacturing of soaps, detergents, pesticides, fertilizers, bleaching agents, regeneration of ion exchange resins
- in petrochemical industry for petroleum products refining
- in textile industry for manufacturing of staple fibers and viscose fibers
- in metallurgical industry
- in food industry for sugar manufacturing
- in potable water treatment

## **box** PACKING

- in railway steel tankers, anti-corrosion protected, provided with heating coils necessary to product defrosting when unloading on cold weather
- in road tankers anti-corrosion protected.
- containers made of material resistant to the action of the product, with metallic armatures, stored on pallet, approved according to ADR
- other packaging that ensures the quality and integrity of the product

## **house** STORAGE

In anticorrosive protected tanks, tightly closed, away from food and incompatible substances; the storage area must be proper ventilated, away from humidity; since solution of sodium hydroxide 48% has a tendency to crystallize at temperatures under 12°C, for product unloading on cold weather will be ensured a liquid temperature of minimum 25°C

## **truck** TRANSPORT

- by anti-corrosive protected railway and road tanker; during cold weather the tankers must be equipped with heating coils
- in ADR approved vehicles, separately from other incompatible substances in case of transportation in containers or barrels