SODIUM HYDROXIDE - SOLUTION (NaOH)

PRODUCT SPECIFICATIONS

Parameters	Results	Analysis Methode
NaOH content	min. % 30 – 32 (m/m)	Titrimetric
Klor content	max. 30 ppm	Titrimetric
Na_2CO_3 content	max. % 0,6 (m/m)	Titrimetric
Iron (Fe)) content	max. 0,5 ppm	Spectrofotometric
Density (20°C)	1,33 – 1,35 gr/cm3	Hydrometer
Appearance	Colorless - Clear	Physical control

HEAVY METAL ANALYSIS	Result (max) ppm	Analysis method
Pb	0,0035	ICP
Hg	0,0018	ICP
Fe	0,002	ICP
Ni	0,0038	ICP
Sr	Absent	ICP
Al	Absent	ICP
Mn	Absent	ICP
Ba	Absent	ICP
Cu	Absent	ICP
Li	Absent	ICP
Co	Absent	ICP

PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Transparent, colorless, odorless liquid

Sodium Hydroxide solution is not flammable. But humidity or contact with water, releases so much heat which is enough to flare the flammable materials. Reacts with many metals and releases hydrogen gas which causes to explode in air. The product reacts with water, strong acids, several metals, flammable materials, organic chemicals, zinc, aluminium peroxide and halogenated hydrocarbons.

APPLICATION FIELDS

- ChemicalIndustry - Textile Industry -Aluminum Industry - Paint Industry - Agricultural Chemical Industry
- Paper and Pulp Industry -Soap and Detergent Industry -Water Treatment Industry - Petrol Refining Industry
- In neutralization of acids - In the regeneration of ion exchange resins - Rayon Industry - Explosives Industry

PACKAGING

Delivered in polypropylene inner coated polyester outer coated tankers, polyethylene or stainless steel tankers in bulk form.

If the contamination of iron is not necessary, also can be delivered in carbon steel tankers.

STORAGE

Sodium hydroxide may be stored in carbon steel tanks particularly if ferrous impurity does not constitute a problem, provided that the temperature does not exceed 50°C. Tanks containing 30-32% caustic should be insulated and heated to ensure that the temperature does not fall below 16°C . Rubber and plastic coated tanks may also be used besides

SECURITY PRECAUTIONS

Sodium Hydroxide is a strong alkali., may causes serious skin burns.
Glasses, face mask, glove, rubber boot and protective clothes should be worn when working and handling.
In contact with skin or eye, wash the area with plenty of water minimum 15 minutes.
If spreads to the clothing, take it off immediately . Seek for medical advise.
In case of digestion, do not ignite the patient. Wash the mouth with water and make him to drink half glass of water.
Seek for medical advise.