



SODIUM HYDROXIDE - SOLUTION (Na₂OH₃)

PRODUCT SPECIFICATIONS:

	TYPE-1	TYPE-2	ANALYTICAL METHOD
Purity(NaOH)	min. %30 (m/m)	min. %45 (m/m)	Titrimetric
Na ₂ CO ₃ content	max. %0,6 (m/m)	max. %0,9 (m/m)	Titrimetric
Chloride (Cl) content	max 40 ppm	max. 50 ppm	Titrimetric
Sulfate (SO ₄) content	no	no	Turbidmeter
Iron (Fe) content	max 0,5 ppm	max. 1,0 ppm	Colormetric
Copper (Cu) content	max 0,05 ppm	max 0,07 ppm	Polarographic
Manganese (Mn) content	max 0,05 ppm	max 0,07 ppm	AAS*
Silis (SiO ₂) content	max. 1,5 ppm	max. 1,8 ppm	Colormetric
Density (30 °C)	1.32 gr/cm ³	1.495 gr/cm ³	
Freezing point	between 5-7°C	13°C	

*AAS : Atomic Absorbation Spectrometry

PHYSICAL AND CHEMICAL PROPERTIES:

Appearance : Transparent, colorless, odorless liquid

It 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.

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.

APPLICATION FIELDS:

It is one of the basic raw materials of the Chemical Industry with a wide range of applications.

- Paper and Pulp Industry
- Textile Industry
- Aluminum Industry
- Food Industry
- Soap and Detergent Industry
- In neutralization of acids
- Inorganic Chemical Industry
- Paint Industry
- Explosives Industry
- In the regeneration of ion exchange resins
- Mineral Flotation
- Pharmaceutical Industry
- Petrol Refining Industry
- Water Treatment

**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.
- Rubber and plastic coated tanks may also be used besides stainless steel and nickel.
- Tanks containing 30-32% and 45-48% caustic should be insulated and heated to ensure that the temperature does not fall below 16°C.

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.

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