Caustic Soda Lye

Caustic soda liquid | CAS 1310-73-2 | UN 1824

Product Description

Caustic soda lye is a solution of sodium hydroxide (NaOH) in water, supplied at 48 to 50 % concentration. It is a colourless to slightly turbid, heavy, viscous liquid that is strongly alkaline and corrosive. It mixes with water in all proportions with heat release, and the 50 % solution begins to crystallise at about 12 °C, so storage tanks need to be kept warm in cold weather.

Ochnology is a manufacturer and supplier of caustic soda lye 48–50 % (liquid caustic soda), supplying paper, alumina, textile, water treatment, soap and chemical users in India and overseas.

Typical Specification

Parameter	Typical value
Appearance	Colourless to slightly turbid liquid
Sodium hydroxide (NaOH)	48.0–50.0 % w/w
Sodium carbonate (Na_2CO_3)	0.2 % max
Sodium chloride (NaCl)	0.05 % max
Iron (as Fe)	10 ppm max
Density at 20 °C	About 1.50–1.53 g/cm^3
Solubility in water	Completely miscible
Crystallisation point (50 %)	About 12 °C

Supply Details

Item	Detail
Packing	Tanker load; other packing as per order
Storage	Store in closed tanks of steel or lined material, protected from frost and away from acids, aluminium, zinc and tin
Transport classification	UN 1824, Sodium hydroxide solution, Class 8 (corrosive), Packing Group II
Certification	COA supplied with each lot

Typical Applications

- Paper and pulp processing
- Alumina refining
- Textile processing and mercerising
- Soap, detergent and chemical manufacture
- Water and effluent treatment, pH control

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