



RXSOL

CHEMO PHARMA INTERNATIONAL

Technical Data Sheet (TDS)

RXSOL-19-1308-025

Caustic Soda Liquid 35 Kg Liquid

Synonyms : Caustic; Liquid caustic soda; Lye solution; Soda lye; Sodium hydroxide NaOH

Molecular formula HONa

Molecular weight 40

CAS number 1310-73-2

EINECS number 215-185-5

Description: Caustic soda lye is a clear colourless liquid.

Applications: Intermediate for chemicals

Packaging: Sodium hydroxide is available in tankers. Other packaging may be considered on request.

Storage and handling

Store in a tightly closed container in a designated area with adequate ventilation. Keep away from acids. Caustic soda lye is corrosive in nature. Proper handling procedures must be followed to prevent vigorous boiling, splattering or violent eruption of the diluted solution. Always add caustic soda lye to water and provide agitation. Refer to the Safety Data Sheet (SDS) for detailed information on storage and handling.

Product Name	:	Caustic Soda (SOL)
CAS number	:	1310-73-2
UN number	:	1824
Formula	:	NaOH
Odour	:	Odour Unpleasant
Appearance	:	Clear, colourless liquid
Strength	:	30% and 47% w/w minimum
Solubility in water	:	Complete Solubility in water Soluble
Specific gravity	:	1.51 to 1.54
Boiling point	:	145°C for 50% solution
Melting point	:	8 °C
Impurities	:	Carbonate as Na ₂ CO ₃ 0.4% w/w maximum Chloride as NaCl 0.05% w/w maximum Fe content 25 ppm maximum
Vapour pressure	:	6.3 mmHg at 40°C
pH	:	Strong base > 14

Vapour pressure	:	8 mbar at 20 °C
Skin absorption/irritation	:	YES
TLV Country NL Year 1995	:	ppm 2 C mg/m3
Pollution category 1994	:	D

Safety

Wear all the necessary personal protective equipment (PPE). Ensure adequate ventilation. Prevent breathing of mist or vapours. Prevent contact with skin, eyes and clothing. Always refer to the SDS for detailed information on safety.

First aid

Eye contact: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids and rotating the eyeballs. Continue flushing the eyes for at least 5 minutes.

Skin contact: Remove contaminated clothing and immediately wash skin for minimum of 15 minutes. Call a physician.

Ingestion: Do not induce vomiting. If the person is conscious, give 2 or more glasses of water. If unconscious, never give anything by mouth. Call a physician immediately.

Inhalation: Shift the affected person to fresh air. If the person is not breathing give artificial respiration. Call a physician.

Spills and disposal

Do not touch the spilled material. Stop leakage if possible without personal risk. Absorb spillage with sand or other non-combustible material(s). Collect spilled material in appropriate containers for disposal. Move containers away from the spill site to a safe area. Isolate hazardous area and restrict

| deny entry of personnel. Do not dispose of waste to a sewer system or with normal garbage.

Waste must be disposed of in accordance with federal, state or local regulations, as applicable.

Contact

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