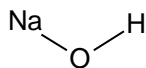


Caustic soda lye 32% and 48%

Bulk Chemicals and Intermediates | Technical Data Sheet

Synonyms

Caustic; Liquid caustic soda; Lye solution; Soda lye; Sodium hydroxide



Molecular formula	HONa
Molecular weight	40
CAS number	1310-73-2
EINECS number	215-185-5

Specifications

Appearance	Clear, colourless liquid
pH	Strong base > 14
Strength	30% and 47% w/w minimum
Carbonate as Na ₂ CO ₃	0.4% w/w maximum
Chloride as NaCl	0.05% w/w maximum
Fe content	25 ppm maximum

Physical properties

Odour	Unpleasant
Boiling point	145°C for 50% solution
Specific gravity	1.51 to 1.54
Vapour pressure	6.3 mmHg at 40°C
Solubility in water	Soluble

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.

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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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