



Caustic Soda

ALKALINITY CONTROL

Overview

A strong alkaline (base) compound, Caustic Soda is used to control the alkalinity in sodium based clear brine fluids, and drilling muds.

Caustic Soda is the common name for sodium hydroxide.

Features and Benefits

- Economical source of hydroxyl ions to control pH
- Effective at small treatment levels
- Reduced corrosion rates in most tubular goods
- Not recommended for use in divalent brine solutions

Caution: Fluid additives, formation water and other contacting fluids should be screened for compatibility with the brine prior to use.

Application Information

Caustic Soda should be added as a solution through a chemical barrel or directly to the pits at a point of gentle agitation. Do not add through a mixing hopper.

CAUTION: Always add caustic slowly to cool water, as large amounts of heat will be generated.

Physical Properties

Appearance	White, odorless solid
pH	13 @ 1% (M) Aqueous Solution
Specific gravity	2.13 @ 68°F (20°C)
Water Solubility	Soluble

Packaging Information

25 kg metal kegs
50 kg metal kegs

Recommended Treatment

Consult a TETRA representative for specific recommendations.

Safety and Handling

Avoid skin and eye contact, inhalation or ingestion. For skin contact, wash with soap and large quantities of water. For eye contact, flush with large quantities of water. Use properly designed respirator if adequate ventilation is not available. Refer to the Safety Data Sheet for specific details.

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