



Technical Data Sheet

SODIUM CHLORIDE

Product Description

SODIUM CHLORIDE (NaCl) is added to drilling fluids to increase their salt content.

Applications:

SODIUM CHLORIDE is primarily used in formulating saturated salt-water muds. Additions of salt are sometimes made to water-base muds to adjust the resistivity for logging purposes. Evaporated salt is normally recommended for use in clear brines. SODIUM CHLORIDE is used to maintain the density of salt water systems up to 10.0 PPG and to build additional volumes of fluid on location by weighting fresh water to the desired density. NaCl completion fluids are used in wells with high carbonate concentration to eliminate the formation damage caused by the precipitation of calcium carbonate when calcium brine is used.

Treatments:

Is readily soluble and easily mixed through the hopper. SODIUM CHLORIDE is added to a fluid as required and dissolves rapidly in water. To saturate fresh water, add 316 kg / m³ (110.5 lb / bbl). In a mixed salt system, the solubility is depressed by the presence of other salts.

KEY BENEFITS

- **Widely and readily available.**
- **Economical.**
- **Easily mixed.**

Key Properties

Color	White
Physical Form	Powder
Specific Gravity	2.0 - 2.15