# SALT

Fine and Coarse

## DIVERTING AGENT FOR ACID STIMULATION

**Salt** is the common name for granular sodium chloride (NaCl). Available in two mesh sizes depending on application.

## STIMULATION

**Salt** is often used as a diverting agent for acid stimulation. A broad spectrum of particle sizes can also be used including large particles that will bridge fractures and large port throats and the smaller particles to fill the openings between the larger particles. The benefits of using **Salt** are that it is forms a solid bridge that can be easily removed with produced water.

## CEMENT ADDITIVE

**Salt** is an extremely versatile cement additive. Depending upon its concentration in the slurry, **Salt** can behave as an accelerator or a retarder. **Salt** is also used to disperse cement slurries, induce cement expansion and prepare freeze-protected cements. Marginally, **Salt** can be used as a weighting agent or to increase cement electrical conductivity.

## MIXING & HANDLING

**Salt** mixes readily with water and can be mixed directly into the water.

**WHMIS:** Not controlled
**TDG:** Not regulated
**Packaging:** 40kg/20kg poly bag

## PHYSICAL PROPERTIES:

**Appearance:** White crystals
**Bulk Density:** 1200-1300 kg/m$^3$

## CHEMICAL PROPERTIES:

**Solubility:** 36 gm/100 ml H2O @ 20
**Water Insolubles:** 36 ppm
**Sodium Chloride:** 99.7%
**Calcium Sulphate:** .10%
**Calcium Chloride:** .01%
**Magnesium Chloride:** .09%
**Potassium Chloride:** .10%
**Moisture:** .04%

## PARTICLE DISTRIBUTION

| Salt Grade | Average Particle Size | | % Retained on Various Tyler Mesh Sizes | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Fine | 0.37 mm (40 mesh) | Tyler Mesh Size | 20 | 28 | 35 | 48 | 65 | 100 | Pan |
| | | % Retained | 0 | 5.4 | 26.8 | 44.9 | 19.1 | 3.1 | 0.6 |
| #8 Coarse | 1.7 mm (10 mesh) | Tyler Mesh Size | 8 | 10 | 14 | 20 | 28 | | Pan |
| | | % Retained | 0.9 | 45.5 | 35.5 | 13.3 | 2.4 | | 2.6 |




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