



Product Data

Superior Liquid Salt (Bulk Brine)

PD 1001
01/2009

Description

Superior Liquid Salt is a fully saturated brine (Sodium Chloride) of variable purity inherent to the limits of production control. This brine is obtained from underground salt deposits by deep well solution mining. It has a very low hardness and is also low in suspended solids. Superior Liquid Salt is recommended for use in a variety of applications where a saturated brine is required and there is no salt dissolver available.

Approved Use

Superior Liquid Salt is recommended as an economical source of Sodium in chemical production and in a wide variety of industrial applications. It can be used for road stabilization and as a de-icing agent.

Availability

Superior Liquid Salt is available in bulk at the production facility only.

Storage

To avoid recrystallization, do not subject Superior Liquid Salt to temperatures lower than that of the brine at the time of loading without adding an appropriate amount of water.

Technical Information

For further product information, contact Technical Manager, U S Salt LLC, PO Box 110, Salt Point Road, Watkins Glen, NY 14891, by phone 607-535-2721 or FAX 607-535-2911.

Properties

Chemical

| Component ¹ | Units | Typical / Range | | |
|----------------------------------|-------|------------------|---------|------------------|
| | | Min ² | Typical | Max ² |
| Water | % | - | 73.05 | - |
| Sodium Chloride | % | - | 26.40 | - |
| Hardness (As CaCO ₃) | ppm | - | 6, 232 | - |
| Calcium ³ | ppm | - | 1,737 | 2,068 |
| Magnesium ³ | ppm | - | 460 | 616 |
| Sulfate ³ | ppm | - | 3,522 | 4,147 |
| Bicarbonate ³ | ppm | - | 54 | 74 |
| pH | - | 7.1 | 7.4 | 7.8 |
| Specific Gravity | - | - | 1.204 | - |

(1)Analytical methods available on request. (2)Based on +/- 2 standard deviations (3) Water soluble.