



# TECHNICAL DATA SHEET

## Excelyte

### PRODUCT DESCRIPTION: Stabilized Aqueous Solution of Sodium Chloride

Excelyte is an activated solution of sodium chloride produced by passing weak salt brine through an electrolytic cell which temporarily changes the properties of the salt water into a powerful oxidizing agent that exhibits strong antimicrobial properties. Excelyte is produced at a near neutral pH of 6.5 where the predominant antimicrobial agent is hypochlorous acid, an efficient and efficacious species of chlorine. The properties of Excelyte can be precisely controlled by manipulating power to the electrolytic cell, brine rate flow through the cell and the conductivity of the brine in the cell. Excelyte is intended to be used soon after being produced with a shelf life of ~30 days (Note: This is the EPA shelf life and product is still effective in most applications well past 30 days. Discuss Specifics with your sales representative).

### FEATURES

- Contains 500 ppm Free Available Chlorine
- EPA Registered
- Can be Produced On-Site
- Easy-to-Feed Liquid
- Disinfecting Solution
- Cost Effective to Produce and Use
- Safe to Handle and Feed
- Controlled via Simple Chlorine Test

### TYPICAL PHYSICAL PROPERTIES

➤ Physical State.....	Liquid
➤ Color.....	Clear
➤ Boiling Point.....	100°C / 212°F
➤ Flash Point.....	N.A.
➤ Specific Gravity.....	1.00 1.06 g/ml
➤ Density.....	8.34 lbs/gal.
➤ pH.....	6.3 - 6.8
➤ Solubility in Water.....	Complete
➤ Odor.....	Faint Chlorinous or Ozonous
➤ Vapor Pressure.....	N.A.

### PACKAGING

Excelyte is shipped from the manufacturing facility and regional distribution centers in 5, 55 and 275 gallon containers. Custom packaging is available upon request. Bulk quantities are available.

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## APPLICATIONS – OIL & GAS

The dosage of Excelyte should be determined by field testing of the water's chlorine demand. This is a simple, quick field test that can be easily performed prior to treatment. Optimum treatment dosages should consume all the demand and provide a positive Free Chlorine Residual of 0.5-2.0 ppm.

Oil and Gas applications include, but are not limited to, the following areas;

**Frac Water:** Excelyte can be used to treat Frac Water to mitigate and retard growth of detrimental micro-organisms such as anaerobic, aerobic and sulfate reducing bacteria to protect fracturing fluids, polymers and gels.

**Sour Wells:** Excelyte can be slug dosed or fed continually into the well bore to control unwanted micro-organisms, reduce hydrogen sulfide and restore well integrity.

**Water Flood Injection Water:** Excelyte is very effective in controlling micro-organisms and retarding the formation of slime in pipelines.

**Oil & Gas Lines:** Excelyte can be slug fed on a daily or weekly basis to control micro-organisms, such as SRB's (Sulfate Reducing Bacteria), reduce microbiologically influenced corrosion (MIC) and remove the slime and associated sessile bacteria which can degrade pipeline integrity.

**O&G Storage Facilities/Tanks:** Excelyte can be fed to storage tanks to control unwanted micro-organisms, control the formation of hydrogen sulfide and reduce corrosion of the storage tanks.