

Twin CSR Cleaner Concentrate

CAUSTIC SODA REPLACEMENT

TWIN CSR CLEANER CONCENTRATE

Twin CSR Cleaner is part of the “Environmentally Responsible” modified alkali product line that has comparable abilities of caustic solutions while reducing the hazardous exposure and corrosion properties.

APPLICATIONS

Twin CSR Cleaner can be utilized in any situation where the pH of the fluid needs to be adjusted Suppressing Calcium & Magnesium in hard waters, H₂S/CO₂ sequestration in drilling fluids, caustic scrubbers.

Reducing corrosion in plants & pipelines, Bitumen extraction in Oilsands, ASP Water Floods, Crosslinked Borate fracturing systems, Enhance polymer hydration properties, Degreaser/Cleaning Agent, Neutralizing Agent

FEATURES AND BENEFITS

- Eliminates use of caustic soda bags
- Comparable pH control to a 25% caustic solution, but with a -45°F freeze point
- Improved steel/aluminum corrosion compared to 25% caustic solution
- NSF/ANSI 60 approved for water treatment
- **1:30 CSR DILUTION REPLACES SODIUM HYPOCHLORITE 12.5%**

TYPICAL PHYSICAL PROPERTIES

Appearance	Amber Transparent Liquid
Specific Gravity	1.29 +/- 0.02
Freezing Point	-43.6°F (-42°C)
Boiling Point	> 212°F (100°C)
pH	~ 13.0
Solubility in Water	Complete
Shelf Life	~ 1 Year

HEALTH, SAFETY & ENVIRONMENT

- Low aquatic toxicity
- NSF/ANSI 60 Approved (USA)
- Biodegradable (OECD 301F) > 42% 10 days
- Toxicity (OECD 202) > 100 mg/L
- North Sea Approved (NEMS/Cefas)

SAFETY, STORAGE & HANDLING

Twin CSR Cleaner should be stored long-term in sealed drums or IBC totes. Fittings and valves should be HDPE, brass, or stainless steel.

Twin CSR Cleaner is considered “corrosive” under the Transportation of Dangerous Goods regulations. Class 8, Packing Group II placards and labels will be displayed. Consult SDS for complete handling instructions.

The information contained on this data sheet is believed to be reliable. Since the conditions of application and use of our products are beyond our control, no warranty is expressed or implied regarding accuracy of the information, the results obtained from the use of the product, or that such use will not infringe on any patent. This information is furnished with the express condition that you will conduct your own tests to determine the suitability of the product for your particular use.



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