



WEL-COAT™ Corrosion Inhibitor

WEL-COAT corrosion inhibitor is a broad-spectrum, water-soluble, film-forming amine.

Applications

- WEL-COAT surface adsorbs on metals to form a protective film, which prevents corrosion from carbon dioxide, oxygen, and hydrogen sulphide. It is effective in dispersed and non-dispersed systems, including KCl/polymer, saltwater and glycol systems, as well as completion and workover brines.

Usage

WEL-COAT corrosion inhibitor is added to the entire circulating system as a preventative measure, at 0.1 to 0.2 percent by volume. Subsequent treatment levels should be determined in response to corrosion coupon test results. The product is added directly to the mud or via a chemical barrel to avoid the oxygen entrained by Venturi mixers. Daily treatments are required to keep up with dilution and variations in penetration rates.

The product is particularly effective in clear brines such as KCl, NaCl, CaCl₂, and NaBr; but it is not compatible with zinc bromide brines, as precipitation will occur.

Consult the MSDS, safety posters, and/or product label before use, and use personal protective equipment as advised.

Advantages

- An effective general corrosion inhibitor for all steel hardware
- Tolerates temperatures in excess of 311°F (155°C)

Typical Physical Properties

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|------------|----------------------|
| Appearance | Amber liquid |
| Density | 1.02 SG |
| Pour point | 21°F -6°C |
| pH | 5.5 to 7.0 |
| Packaging | 55-gal (208-L) drums |