



Super S® WireSeal Corrosion Inhibitors

Super S® WireSeal Corrosion inhibitors are premium, high-quality, tacky viscous wireline lubricants developed to provide superior performance in the oil and gas drilling industry. In addition, this product was designed to provide the wireline cable with the extra rust and corrosion protection needed with downhole drilling. It is designed for use as a sealant and lubricant in the oil and gas drilling industry.

This fluid is fortified with extra additives to provide excellent corrosion, wear and oxidation protection. The corrosion inhibitor in WireSeal protects the wireline cable against salt water, or well-born gases such as H₂S, caustics, and acids. The inhibitors in WireSeal reduce corrosion, and will prevent premature failure which effectively extends the life of the wireline cable.

Super S® WireSeal is designed to provide and maintain an effective seal around the wireline in a high pressure, high temperature environment thus preventing the escape of well-born gases such as H₂S.

This fluid's superior lubrication attributes extend the wireline life by effectively reducing friction and wear caused by continuous use.

The high viscosity index allows WireSeal to be used over a wide temperature range while maintaining its viscosity down the well hole. There are nine (9) viscosity grades of this fluid available for use which allows the operator to continue drilling under all temperatures and conditions.

Applications

- As a cable lubricant in the oil field drilling industry
- As a sealant in the gas and oil field drilling industry
- Braided wireline used in the oil and gas industry
- Applied injection control head units
- Down hole tools and equipment

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Features

- **Tacky Product:** Provides superior tackiness to reduce splatters and drips. Designed to provide dripless performance because of its increased adherence to the wireline
- **Sealing Capabilities:** Formulated to provide superior sealing properties and designed to prevent the loss of well condensation and gases.
- **High Viscosity Index:** Excellent viscosity retention when used within the recommended temperature range. Good low temperature fluidity.
- **Corrosion Protection:** Protects wireline against the corrosive properties of salt water, downhole gases and chemicals such as H₂S.
- **Handling:** Pump-able product designed specifically for use as a wireline grease for injection units and cable lubrication
- **Year-round Use:** Effective performance from -25 °F to 100+. Two viscosity grades allow for the use of the right grade for most applications
- **Low Toxicity:** Very low toxicity to both fish and invertebrates based on tests of water accommodated fractions classifying as **Inherently Biodegradable**¹.

*Other grades can be blended as needed on a case by case basis

Special handling, notices or warnings

Handle all petroleum products with care. Dispose of per local regulations. For more information, refer to SDS.



Super S® WireSeal Corrosion Inhibitors

Typical Characteristics

| Super S® WireSeal Corrosion Inhibitors | | | | |
|--|------------------------|-----------------|-----------|------------|
| Properties | Test Method ASTM D- | Typical Results | | |
| SAE Viscosity Grade | | 680 | 1500 | 2500 |
| Flash Point, COC °F/ °C | 92 | 410/21 | 417/214 | 431.6/ 222 |
| Pour Point, °F/ °C | 97 | -14/- | -10/-23.3 | -3/-19.4 |
| Viscosity: cSt @ 40°C | 445 | 680 | 1500 | 2500 |
| Rust Test | 665B | Pass | Pass | Pass |
| Texture | | Tacky | Tacky | Tacky |
| Specific Gravity | 4052 | 0.916 | 0.919 | 0.924 |

Typical test data are average values only.
 Minor variations which do not affect product performance are to be expected during normal manufacturing.

*As tested by Closed Bottle Biodegradability Test, Super S WireSeal Corrosion Inhibitors show to be inherently biodegradable. Although they did not meet the criteria for readily biodegradable requiring >60% degradation after 28 days, they displayed good degradation with 36% meeting the requirements for inherent biodegradation (20-59%).



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Super S Lubricants

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