

PROTEUS V1 & V1X

PRODUCT DATA SHEET

PRODUCT DESCRIPTION

Proteus V1 and *Proteus V1x* are post-job coiled-tubing preservation treatments engineered to protect the internal steel surface following operations. Unlike conventional corrosion inhibitors designed for continuous injection, the Proteus platform is applied as a single displacement treatment that adsorbs onto the tubing ID and establishes a persistent protective film that mitigates corrosion encountered during storage, transport, and standby periods. The system integrates oxygen control, biofilm control, and film-forming corrosion inhibition to extend usable running footage and preserve the service life of high-strength CT assets between deployments.

FEATURES

- Proteus V1 is designed for simple field deployment – one pail per application* – for coiled tubing strings up to 2 5/8" OD and < 25,000 ft in length.
- Proteus V1x is also designed for simple field deployment – one pail per application* – providing extended coverage and margin across all string sizes.
- Provides integrated oxygen scavenging and bio-dispersancy to limit biofilm development and surface attachment.
- Delivers multi-mechanism corrosion defense against H₂S, CO₂, O₂, and MIC in a single treatment.
- Promotes rapid inhibitor film formation with persistent corrosion protection following post-job application.

PROPERTIES

- Physical: clear, dark liquid
- Solubility (water): soluble
- Solubility (brine): soluble
- Density (lb/gal): 8.4 ± 0.2
- Specific gravity: 1.01 ± 0.05
- pH: 6 ± 0.5
- Pour point (°F / °C): 23 / -5
- Boiling point (°F / °C): 212 / 100
- Flash point (°F / °C): > 200 / 93
- Viscosity (cP @ 70°F): ≤ 10

SAFETY & TRANSPORTATION

- Health: 1
- Fire: 1
- Physical hazard: 0
- PPE Index: B
- DOT: not regulated
- IMDG: UN3082, Environmentally hazardous substance, liquid, n.o.s., Class 9, PG III
- Marine pollutant: Yes
- ERG: not applicable

*One pail per application is based on nominal fluid conditions and proper continuous use as advised by the Neptune Chemical technical team.

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