

Oil and Gas Corrosion Inhibitors

For crude oil pipeline and oil and gas production asset integrity. Mitigate corrosion, neutralize hazardous acid gas, and prevent the formation of production-impairing scale.

Corrosion Inhibitor



Product #: UBPro-425

Introduction

UBPro-425 is a liquid corrosion inhibitor specifically formulated for oilfield applications, particularly in the gathering and transmission of crude oil and produced water. Its synergistic blend of cationic surfactants and solvents provides excellent film-forming protection on metal surfaces, effectively mitigating corrosion caused by brine in harsh downhole and pipeline environments. The formulation is designed for easy injection and rapid dispersion in the water phase.

Technical Index

Items	Specification
Appearance	Pale yellow-brown clear liquid
Water Solubility	Soluble
pH value(net)	4.5-7.5
Specific Gravity @25°C	1.0-1.1

Application

- ✓ Forms a persistent, hydrophobic protective film on metal surfaces, creating a barrier against corrosive agents.
- ✓ Primary use as corrosion inhibitor for carbon steel in oil and gas production systems, including well tubing, flow lines, and gathering pipelines

Advantages

- ✓ Can achieve corrosion rates of less than 5 mpy (mils per year) at appropriate dosage rates.
- ✓ Maintains efficiency in high-salinity environments.
- ✓ Optimized for heavy and extra-heavy oil applications.
- ✓ High compatibility with other components.

Recommended Handling

- The recommended dosage is highly dependent on system-specific parameters such as water chemistry, gas composition, temperature, pressure, and flow velocity. A typical treatment range is 50 - 200 ppm(w/v), based on the total liquid production (oil + water), but a pilot test is required for optimal results.
- Handle as an industrial chemical wearing protective equipment and observing the precautions of described in the Material Safety Data Sheet (MSDS).

Packaging and Storage

- Packed in 200 liter metal or plastic drums.
- Store in dry, well-ventilated area. Keep container closed. Keep away from heat, sparks and flames. Store away from incompatibles. Follow safe warehousing practices regarding palletizing, banding, shrink-wrapping and /or stacking.

For more information, Send email: info@youzhuchem.com, or call 0086 13408536218 or for information on other YouzhuCHEM products visit youzhuchem.com