

CRONOX CRW5449 corrosion inhibitor

Versatile corrosion inhibitor for sour and sweet crude oil systems

Applications

- Conventional oil and gas
- Pipeline

Features and Benefits

- Exhibits strong surfactant properties
 - Helps keep systems clean and will penetrate under deposits
- Non-emulsifying properties
 - Will not aggravate systems emulsion problem
- Cost-effective
 - Provides a low total cost of ownership in conjunction with reduced operations and capital cost

The Baker Hughes CRONOX™ CRW5449 corrosion inhibitor is a water dispersible, hydrocarbon insoluble product. It is effective against corrosion caused by carbon dioxide, hydrogen sulfide, and organic and mineral acids commonly found in oil and gas production systems. It is especially effective in systems carrying large volumes of hydrocarbons.

This corrosion inhibitor is recommended for a wide range of oil and gas field applications, including:

- Crude oil producing wells, especially with rod lift systems
- Sweet and sour crude oil gathering and transmission systems
- Gas condensate wells and gathering systems
- It may be injected continuously or in batch treatment depending on the type of systems

It is suitable for capillary injection up to 250°F, which makes it effective for continuous downhole applications where batch corrosion programs are not effective because of wellsite access or wear induced corrosion.

For mixed production systems or oil transportation systems in hilly terrain, care should be taken to ensure transport of CRONOX CRW5449 corrosion inhibitor through the entire system. This may require higher dosages.

Safety and handling

Before handling, storage, or use, review the Safety Data Sheet (SDS) for guidance.

Typical properties

Specific gravity at 60°F (16°C)	0.98
Typical density at 60°F (16°C)	8.16 lbm/US gal
Flash point, SFCC	91.4°F (33°C)
Appearance	Amber to dark brown liquid
Pour point	19°F (-7°C)
Solubility	Water dispersible

Materials compatibility

Suitable

Metals:	304 Stainless Steel, 316 Stainless Steel, Aluminum Admiralty Brass, Copper
Plastics:	HD polyethylene, PVC, linear polyethylene, polypropylene, TEFLON®,
Elastomers:	EPDM, HYPALON®, Buna N (rubber), neoprene, VITON®

Not suitable

Metals:	Mild Steel
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Materials suitability is based on analysis of test results obtained under specified laboratory conditions. All materials selection should be based on actual application. Testing results for materials will be made available on request.