

# XERIC 7021 heavy oil demulsifier

## Maximizes refinery profitability

### Applications

- Refinery process
- Desalting
- Heavy oil

### Features and Benefits

- Formulated for heavy crude oils
  - Decreased feedstock costs by improving heavy oil process capability, allowing higher rates of heavy oils in crude blends
- Improves desalter dehydration and desalting efficiency
  - Minimizes wastewater plant upsets during heavy crude processing
- Reduces desalter water, salt carryover, and oil undercarry
  - Improves salt removal efficiency
  - Decreases the cost of wastewater treatment, energy, and corrosion
- Does NOT require special injection equipment.
  - Decreases operating cost of heavy oil processing

### Application

**XERIC™ 7021 demulsifier** from Baker Hughes, is formulated to optimize desalting when processing heavy crude oils. This product is effective for pretreatment of difficult-to-process crude slates. It enables rapid coalescence of water and water wets solids to resolve water-in-oil emulsions. It is able to work effectively at colder temperatures found in tankage while increasing the effectiveness of the primary demulsifier program and is thus an ideal pretreatment demulsifier.

This product can be used as part of our comprehensive XERIC heavy oil program, which allows you to process a wider range of heavy crude oils, providing increased feedstock flexibility and lower feedstock costs. It is designed to provide improved desalting during feed upsets, including those characterized by uncontrolled slugs of solid and/or water. Its ability to buffer the impacts during upsets allows for a more stable and trouble free desalter operation.

Your Baker Hughes representative will assist in defining optimum treatment rate through testing and monitoring the desalter operation

### Safety and Handling

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

### Typical properties

General appearance	Amber liquid
Specific gravity at 60°F (16°C)	0.97
Typical density at 60°F (16°C)	7.9 lb/US gal (946.63 kg/m <sup>3</sup> )
Flash point, SFCC	102°F (38.8°C)
Pour point, ASTM D-5950	<-50°F (<-46°C)
Solubility	Hydrocarbon
Viscosity, ASTM D-455	
At 60°F (16°C)	67 cPS
At 30°F (-1°C)	184 cPS
At 0°F (-18°C)	722 cPS

### Materials compatibility

#### Suitable

Metals: Mild Steel, Stainless Steel 304, Stainless Steel 316, Admiralty Brass, Aluminum, Copper

Plastics: Polyethylene HD, Polypropylene HD

Elastomers: TEFLON®, EPDM, Viton™

#### Not suitable

Plastics: Polyethylene Linear, PVC

Elastomers: Buna N, Neoprene, CSM

*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.*