

Embreak* 2168

desalting adjunct chemistry

patent pending

Embreak 2168 is designed to:

- Improve solids removal in desalters
- Aid in resolution of asphaltene stabilized emulsions
- De-oil asphaltenes from solids in desalter effluent brine

description and use

Embreak 2168 is an oil-based asphaltene stabilizer, specifically formulated for use in refinery desalters and other oil/water separation equipment. Embreak 2168 is designed to improve the solubility of asphaltenes in the bulk hydrocarbon phase thereby removing them from an oil-water-solids interface. It assists in resolving asphaltene stabilized emulsions, improving removal of solids previously coated with asphaltenes. It also helps de-oil solids at the emulsion interface to resolve stable emulsions and inhibit oil from becoming entrained in the effluent brine.

typical application

Embreak 2168 is generally fed to the raw crude at the tank farm, preferably to high asphaltenic or highly paraffinic crude. This product is usually applied in conjunction with a desalter emulsion breaker product for maximum program effectiveness.

treatment

Proper treatment levels for Embreak 2168 depend on many factors such as crude composition, unit design, and the severity of the desalter operation or other processes to which the product is applied.

feeding

For consistent effectiveness, Embreak 2168 must be fed continuously by a chemical proportioning pump. It is usually fed to the raw crude charge in the tank farm, as far upstream as possible to ensure adequate contacting of the product with the asphaltenes and surfactants in the crude.

Embreak 2168 is to be used in accordance with control procedures SUEZ Water Technologies & Solutions establishes for each specific application.

DO NOT MIX with other process chemicals unless compatibility has been checked and approved by SUEZ Product Management.

evaluation

For best treatment performance, the Embreak treatment program must be conscientiously evaluated by periodically recording critical desalter unit parameters. These would include, but not be limited to, mix valve pressure differential; desalter temperature; electrical grid performance; water level; emulsion thickness; crude oil BS&W; as well as salt and solids removal.

safety precautions – typical properties

A Material Safety Data Sheet (MSDS) containing physical properties data and detailed safety information for this product is available by contacting your SUEZ representative.

Find a contact near you by visiting www.suezwatertechnologies.com and clicking on "Contact Us."

*Trademark of SUEZ; may be registered in one or more countries.

©2017 SUEZ. All rights reserved.