

Predator* MR2500

Desalting Adjunct Chemistry

Predator MR2500 Design

- Increases the extraction of metals from crude oil into the water in the desalter
- Reduces solids stabilized emulsion bands in desalters
- Reduces oil carry under caused solids
- Reduces metals caused conductivity in crude oil

Description And Use

Predator MR2500 is a water-based adjunct chemistry to be used in desalters with conventional desalting chemicals. It is intended to help remove oil soluble metals in crude oil. Predator MR2500 helps reduce emulsion buildup at the oil / water interface caused by particulate metals and reduce metals caused conductivity in the crude. The treatment increases solids removal from the crude into the brine effluent. Predator MR2500 is particularly effective handling high levels of organo-metallic calcium in some specific crude.

Application

Predator MR2500 provides excellent metals reduction in a variety of crude slates. Predator MR2500 has been effective lowering iron and calcium in blended crude slates.

Treatment

Proper treatment levels for Predator MR2500 depends primarily on the metals content of the crude being treated. The chemistry of the desalter wash water must also be considered in setting dosage. This product is to be used in accordance with control procedures GE Infrastructure Water & Process Technologies establishes for each specific application.

Feeding

For consistent effectiveness, Predator MR2500 must be fed continuously by a chemical proportioning pump. It is best fed to the suction side of the crude charge pump to take advantage of the mixing through the pump. It may also be fed in the desalter wash water but care must be taken to avoid corrosion in the water system going to the crude oil.

Injection facilities must be designed to meet restrictions contained in the materials of compatibility.

Do not mix with other process chemicals unless compatibility has been checked with GE Product Management.

Evaluation

For best treatment performance, the Predator MR2500 program must be conscientiously evaluated by periodically recording critical unit parameters. These include, but are not limited to, mix valve pressure differential, desalter temperature, electrical grid performance, water level, emulsion thickness, crude oil BS&W, and metals removal.

Safety Precautions

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



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