

Skye Chem WD-RTU - Technical Data Sheet

SKYE CHEM WD-RTU Paraffin Dispersant Ready to Use

Generic Description

SKYE CHEM WD-RTU is a mixed structure, oil soluble paraffin dispersant synergistically combining multiple chemistry's.

- ◆ The first acts as a wedge between the wax crystals
- ◆ The second changes the polarity of the crystals to a like charge causing them to want to stay away from each other
- ◆ The third distorts the edges of the wax crystals making it difficult for them to fit together.
- ◆ Flow is greatly increased and paraffin related maintenance reduced.

General Information

SKYE CHEM WD-RTU is an oil soluble paraffin dispersant designed for use in oil field applications. The product effectively disperses paraffin and oil wets solids into the oil phase to prevent accumulation in tubular goods and oil treating and storage vessels and pipelines. The oil soluble dispersants and solvents in **SKYE CHEM WD-RTU** have proven effective in dispersing hydrocarbon based solids into a wide range of crude oils. **SKYE CHEM WD-RTU** will improve and enhance flow in paraffinic crude oils.

SKYE CHEM WD-RTU Applications: pumps, tubing, flow lines, oil treating vessels, tank bottoms and any surface or sub-surface equipment experiencing paraffin related issues. Heavy Oil with high paraffin content can be treated to reduce viscosity and increase flow. **SKYE CHEM WD-RTU** is extremely effective at reducing near well bore blockage due to paraffin often resulting in production stimulation. **SKYE CHEM WD-RTU** will improve flow of crude oil in pipelines acting as a flow enhancer and not a drag reducer.

The performance of emulsion breaker formulations may also be enhanced by the addition of **SKYE CHEM WD-RTU**. **SKYE CHEM WD-RTU** with vegetable esters keeps paraffin from reattaching to metal surfaces, even though still being formed.

Suggested Formulation

SKYE CHEM WD-RTU is field use ready.

Typical Physical Properties

FORM: @ 70°F	Clear Liquid
DENSITY: (lbs/Gal)	6.25
FLASH POINT: °F (TCC)	50
pH: (IPA:H2O)	n/a
SOLUBILITY:	
◆ Fresh Water	Dispersible
◆ High TDS Brine	Dispersible
◆ Isopropanol	Dispersible
◆ Xylene	Soluble

Application Information

This suggested formulation of **SKYE CHEM WD-RTU** may be applied by either batch or continuous methods to meet individual system needs. In batch treating of producing wells, 3 to 10 gallons of this formulated product is treated down the annulus, followed by a flush of 1 to 2 barrels, or placing the well on circulation. Treating frequency will be determined by the severity of the down hole paraffin problem.

Paraffin tank bottoms in crude oil storage tanks may be successfully treated by adding 3 to 5 gallons of the formulated **SKYE CHEM WD-RTU** per 500 barrels of oil to the stock tank. The tank should then be rolled with an external pump or gas line. The addition of heat will greatly increase the effectiveness of this type treatment.

For the control of mild paraffin depositions, the formulated **SKYE CHEM WD-RTU** may be continuously injected. For flow enhancement, treatments of 500 to 10,000 ppm are required.

Shipping and Handling

SKYE CHEM WD-RTU is a Flammable Liquid containing Light Aliphatic Naphtha and xylenes and is available in 5 gallon pails, 55 gallon drums and bulk tank wagons. As with any individual chemical, avoid prolonged contact with skin. In case of skin or eye contact, flush exposed area with copious amounts of water. A material safety data sheet outlining proper handling of this product is available upon request, or will be forwarded upon the purchase of **SKYE CHEM WD-RTU**.