

Skye Chem WD-C - Technical Data Sheet

SKYE CHEM WD-C Paraffin Dispersant Concentrate

Generic Description

SKYE CHEM WD-C is a mixed structure, oil soluble paraffin dispersant.

General Information

SKYE CHEM WD-C is an oil soluble paraffin dispersant concentrate 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-C** have proven effective in dispersing hydrocarbon based solids into a wide range of crude oils. **SKYE CHEM WD-C** will improve and enhance flow in paraffinic or asphaltic crude oils.

SKYE CHEM WD-C is recommended for use in formulating products for paraffin control in pumps, tubing, flow lines, oil treating vessels, storage facilities, and other surface equipment where paraffin and sludge deposits occur. This product may also be used to disperse paraffinic tank bottoms. **SKYE CHEM WD-C** 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-C**. In this application, the product prevents paraffin and other oil wet solids from accumulating at the interface in treating vessels. This often results in effective emulsion treatment. **SKYE CHEM WD-C** with vegetable esters, keeps paraffin from reattaching to metal surfaces, even though still being formed.

Suggested Formulation

SKYE CHEM WD-C is typically blended xylene, toluene, or aromatic solvent to provide a field strength product. A 1 to 3 dilution of **SKYE CHEM WD-C** in solvent is suggested as a starting formulation Use concentrations of **SKYE CHEM WD-C** vary when added to emulsion breaker formulations. However, typical usage ranges from 3 to 10 percent depending on the individual treating requirements.

Typical Physical Properties

FORM: @ 70°F	Clear Yellow Liquid
DENSITY: (lbs/Gal)	6.98
FLASH POINT: °F (TCC)	61
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-C** 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-C** 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-C** may be continuously injected. For flow enhancement, treatments of 500 to 10,000 ppm are required.

Shipping and Handling

SKYE CHEM WD-C is a Flammable Liquid containing Light Aliphatic Naphtha and xylenes and is available in 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-C**

TDS-0697

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