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# Skye Chem X-110 - *Technical Data Sheet*



## SKYE CHEM X-110
## Pour Point Depressant/Crystal Modifier

## Generic Description

**Skye Chem X-110** is a synergistic blend of a low and a high molecular weight polymeric crystal modifier and dispersants.

## General Information

**Skye Chem X-110** is an oil soluble wax crystal modifier intended to reduce pour points, modify oil viscosity and change the wax appearance temperature (WAT) of wax crudes with WAT in the range of 20 – 35°C. (70 – 95°F)

**Skye Chem X-110** is a well suited for squeeze treatment, batch or continuous injection. Because it is a crystal modifier it must be present in fluids before wax deposition occurs. This is also a great additive for emulsion breakers to control tank bottoms.

**Skye Chem X-110** may be utilized alone, or formulated with other specialty chemicals to meet a wide variety of application needs.

## Suggested Formulation

**Skye Chem X-110** may be formulated alone or diluted with aromatic solvents such as heavy aromatic naphtha, toluene or xylene, or with an aliphatic solvent such as VM&P naphtha, or varsol for continuous or batch injection. It is normally applied at concentrations of 100 to 2000 ppm with oil being above its crystallization point or heated and mixed. A typical blend in a 55 gallon drum is 44 gallons of Xylene, Kerosene, Diesel or other solvent blends with 11 gallons of **Skye Chem X-110**.

## Typical Physical Properties

| | |
|---|---|
| **FORM**: @ 77°F | Clear Yellow Liquid |
| **DENSITY:** @70°F (lbs/Gal) | 7.25 |
| **SPECIFIC GRAVITY**: | 0.869 |
| **FLASH POINT**: °F (TCC) | 47 |
| **POUR POINT**: °F (TCC) | 0 |
| **pH:** (IPA:$H_2O$) | 4.3 |
| **SOLUBILITY:** | |
| ♦ Fresh Water | Insoluble |
| ♦ Kerosene | Soluble |
| ♦ Isopropanol | Dispersible |
| ♦ Xylene | Soluble |

## Application Information

The product is best applied by continuous injection at rates between 100 and 2000 ppm into the crude oil. The amount of inhibitor required should be determined by laboratory tests. The injection point should be selected as far upstream of the point where problems have been reported and in a manner to ensure complete mixing with the oil. When mixed with crude oil bottoms or sludge it should be applied with a dispersant type product such as Skye Chem WD.

## Shipping and Handling

**Skye Chem X-110** is available in 55 gallon drums and bulk tank wagons. As with any individual chemical, avoid prolonged contact with skin. Do not inhale vapor, mists or fumes. In case of skin contact, flush exposed area with copious amounts of water. If contacted in eyes, flush immediately with water and get prompt medical attention. This is a flammable liquid, containing xylene. Keep away from heat, sparks, or open flames. 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 X-110**.

UN3286, Flammable Liquid, Toxic, Corrosive,
N.O.S., 3, (6.1), 8, PG-III
(Xylenes, VM&P Naphtha, Methyl Ethyl Ketone)

TDS-0697

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