

Skye Chem AD - Technical Data Sheet

SKYE CHEM AD Asphaltene Dispersant

Generic Description

- ◆ Permits the recovery of Crude oil from tank Bottom Sludge's.
- ◆ Contains no products detrimental to refinery operations.
- ◆ Aids in the removal of asphaltic deposits.
- ◆ Lowers the Viscosity of Asphaltene containing materials.
- ◆ Improves the pour point of heavy oils.

General Information

Skye Chem AD is a unique blend of surfactants and solvents designed to aid in the dispersion of asphaltenes and asphaltic materials into crude oil or aliphatic solvents. **Skye Chem AD** acts to improve the stability of these mixtures and as well as reduce their pour points.

Skye Chem AD may be used in treatment of heavy oil residues, visbreaker bottoms and heavy oil to improve the mixing speed and final viscosity when blending these materials with light naphtha's or other cutter stocks. **Skye Chem AD** also aids in the dispersibility of asphaltenes in crude oil production and can be used in emulsion breaker formulations.

Suggested Formulation

Skye Chem AD is typically applied at concentrations of 250 – 10,000 ppm. It can be added directly to the sludge, but it is more typically used in combination with a diluent such as a light naphtha, crude oil or aromatic solvent.

Typical Physical Properties

FORM: @ 70°F	Dark Amber Liquid
SPECIFIC GRAVITY:	0.9 at 15.5°C
FLASH POINT: °C (TCC)	25°C
pH:	n/a
FREEZE POINT:	-30°C
IONIC CHARACTER:	Anionic

Application Information

Skye Chem AD is circulated for several hours until all of the sludge has been dispersed. The circulation is then stopped and the solids and water are allowed to settle. The clean crude can then be pumped out of the vessel.

When applied to improve oil flow, **Skye Chem AD** can be added to the crude at a rate of 100 – 1000 ppm diluted in an aromatic solvent.

Skye Chem AD can be combined with other Skye products depending on composition of the deposit to achieve maximum effectiveness. Consult with the Skye Petroleum to determine the best application for your problem.

Shipping and Handling

Skye Chem AD is a Flammable liquid. Avoid contact with heat and open flames. Always handle with gloves and eye protection. **Skye Chem AD** contains strong solvents, which may have an adverse effect on some polymeric materials, particularly polyvinyl chlorides. Refer to the material safety data sheet for more detailed information.