

# BETAFLOW 9800 SERIES

## Dewaxing agent/Wax Dissolver-Paraffin Solvent

**Description** **BETAFLOW 9800 Series** - Dewaxing Agent or Paraffin Solvent is an active Alkyl phenol ethoxylate and alkylated polyester amide/imide that function as a wax crystal modifier for crude oil and heavy fuel oil. **BETAFLOW 9800** also helps to disperse the paraffin deposits into the produced oil.

**Application** Paraffin molecules are straight carbo-chain saturated hydrocarbon. Saturated means no double or triple bond exist between the carbon atoms. Paraffin deposits in two-step process. The molecules crystallize and then clump together. The crystallization temperature is called the cloud point. In light crude oil the cloud point can be visually seen as the temperature is decreased. As the crude continues to be cooled, the crystal grow together forming a network with enough resistance to flow that the crude becomes a solid. That point is measured as the pour point of the crude.

Asphaltenes complicate pour point and cloud point considerably. As temperature decrease asphaltenes act as paraffin crystal growth site, raising the pour point of the crude.

**BETAFLOW 9800** distorts the paraffin crystal, preventing agglomeration. It then disperse the paraffin into the oil and enables it to be pumped out of the well without forming paraffin deposits. **BETAFLOW 9800** can be used in producing wells, oil handling and storage equipment, and in refineries for residual fuel oil, cat cracker feeds, reduced crudes and other heavy feedstocks.

### Properties

Appearance	Clear colorless liquid
Sp. Gravity	0.80 – 1.10 g/cm <sup>3</sup> (25°C / 77°F)
Solubility in water	Insoluble

### Recommended Dosage

**BETAFLOW 9800** can be used neat or dilute with heavy aromatic naphtha, toluene or xylene for continuous or batch injection. **BETAFLOW 9800** is normally applied at concentration of 100 – 2000 ppm for Oil Field system/water injection system is 15 – 50 ppm. However, it is reco to crude above its crystallization point or heated and mixed

### Handling Precaution

As with all chemicals, proper precautions should be observed. Gloves and goggles or face shield must be worn. Contaminated clothing must be removed and washed immediately. Skin or eye contact must be avoided, if contact is made, wash skin immediately. If splashed in the eyes, wash with copious water for 10-15 minutes and seeks medical attention. Do not ingest. **BETAFLOW 9800** may cause irreversible eye damage, skin burns or allergic skin reaction. It may be harmful or fatal if swallowed or absorbed through skin.

### Packaging

**BETAFLOW 9800** is available in 200-liter or 55-gal plastic drum.