

COS64

Over the years, the company has developed an organic natural solvent called COS64. The solvent comprises of 64 natural organic compounds. It washes and separates oil from contaminated sand and, providing there is no cross contamination of any BTX's

(Benzene, Toluene and Xylene), will produce a sand that only contains 0.05% of

Hydrocarbons. With additional efforts, the sand can be purified to only contain 0.005%

Hydrocarbons. During the process of washing the sand, the separated oil is also

Reclaimed to its natural state and is extracted as crude oil making the separated oil a

Recoverable asset. Thus, our process using COS64 will deliver clean sand and reclaimed

Oil with paramount benefits to our environment.

In addition to cleaning the sand, our organic solvent cleans the sludge and oil

Contamination in sand or in water without adding any unfriendly chemicals or creating

Cross-contamination. In the process of washing and separating the hydrocarbon

Pollutants, the missing carbon elements in the hydrocarbon chains that has degraded is

Reinstated by our organic solvent. Our process of cleaning and reclaiming also does not

Require any additional bi-products, and therefore will save dumping costs.

• Extreme Pressure Torque Reducer and Lubricant: Neogeene EP

Neogreen EP is an ester-based lubricant derived from vegetable fats and oils. Entirely biodegradable, making its use safer for the personnel. Can be used at any pH.

• Oil Based H2S Scavenger: Neocat SQH

The product was specifically designed to deliver extraordinary performance in low BSW oil production systems and in gas treating plants (1ppm of Neocat SQH to 3ppm of H2S). Its innovative formula allows immediate reaction of the product with H2S. Unlike some other H2S scavengers in the market, the performance of Neocat SQH is not affected or reduced by the presence of CO2 in the system.

• Water Based H2S Scavenger (non Triazine based): Neosulf EF

This exclusive formulation has been developed with environmental concerns: it has no extreme pH (unlike other H2S scavengers), and the reaction with H2S is fast and irreversible.

The by-product of its reaction with H₂S is an inert substance: atomic Sulphur, which is considered non-toxic.

• **Rig Wash Fluid: DEG-2150**

DEG-2150 is a mild liquid alkaline cleaner and degreaser, providing industrial strength detergency designed to provide the best and safe surface cleaning. Entirely biodegradable.

Free of any harsh alkali, it effectively mobilizes debris, dirt, and grease or oils from all hard surfaces.

• **Micro Emulsion Restoration Fluid: MRF-1101**

MRF-1101 is a restoration fluid for producing wells that exhibit formation damage. It has micro emulsion properties, with low interfacial tension between liquids, high capacity of solubilization of deposits with a tendency to change wettability.

• **Viscosity Reducer and Emulsion Breaker: VR-3060**

This product is a 100% water-soluble mixture of organic compounds and enzymes that forms a very effective viscosity reducing and antislugging solvent for both paraffin based and asphaltenes based Crude Oils. It is nontoxic, nonhazardous, non-flammable and 100% biodegradable, thereby not requiring special handling.

pH CONTROLLER / NEUTRALIZING FOR ACIDS

aliphatic heterocyclic polyamine developed as a pH corrosion controller and inhibitor. Can be used with sea water

and fresh water.

APPLICATION

Dissolved acid gases and biological deposits can cause severe corrosion in oil well water management systems.

Corrosion by-products such as ferric sulfide, iron oxides and biological mass can cause clogs in well injection tubes.

Over time, corrosion in water systems will cause costly leaks and operational failures.

Effective in seawater and light brines, including CaCl₂ and CaBr₂ brines. For ease of application, it can be diluted in

Low molecular weight alcohols or low hardness water.