



CSES-8500 SERIES

TECHNICAL DATA SHEET

PRODUCT DESCRIPTION: Down Hole Flow Improvement Product

The CSES-8000 series introduces a revolutionary product line that offers solutions to many hydrocarbon, paraffin and asphaltene-based problems. The products combine a unique blend of surface-active compounds with several proprietary solubilization chemistries that are derived from an environmental waste stream. Furthermore, the product line is now “Powered by Nano”. Due to their size, the nano-engineered reliquification particles drive the proprietary blend of liquification chemistries into even the toughest deposits, providing superior dissolving and reliquification capabilities. Now deposits across a vast spectrum, even with minimal flow or agitation, can be addressed. **Optimize your process through a Green Initiative!**

APPLICATIONS

The CSES-8000 series of products, when applied batch-wise, is pumped as the leader followed by a flush of oil or water down the annulus, or in the case of gas lift wells, pumping down the tubing. 1-10 gallons of CSES-8000 per foot of perforation is the recommended ratio for treatment. The most efficient and economical use of product is achieved by a combination of circulation and soaking. Finally, if applicable, demulsification chemistries can be added to provide water separation in tanks as the oil is transferred from the well

A continuous feed of CSES-8000 to prevent deposition of paraffin and other solids in tubing, flowlines, treaters and stock tanks should be injected at a point which insures efficient mixing of the product in the produced fluids. One to Five gallons of product per 300 to 500 barrels of crude oil as a suggested ratio.

The CSES-8000 series of products consists of five base formulations, each specifically designed for optimum results (Note: It is recommended that samples be provided so that specific formulations/recommendations can be provided). Below is a brief description of each product and its specific application.

- CSES-8100: Paraffin Control in Gas and Oil Wells
- CSES- 8100 Plus: Paraffin and Mineral Deposit Control in Gas & Oil Wells
- CSES-8000: Asphaltene Control in Gas & Oil Wells
- CSES- 8200 Plus: Asphaltene and Mineral Deposit Control in Gas & Oil Wells.
- CSES-8300: Petro/CSES-A200 blend designed for mineral deposit clean-up, including iron sulfide.

TYPICAL PHYSICAL PROPERTIES

- AppearanceHomogenous, non-viscous liquid
- Color.....Light Brown
- Odor.....Citrus
- Solubility.....Water Dispersible/Oil Soluble
- pH Neat.....8.3
- Specific Gravity.....0.92
- Flash Point.....93°F
- Pour Point.....<-20°F

FEATURES AND BENEFITS

- Increased Oil & Gas Production
- Does not require removal prior to refining
- Reduces Pumping Fees
- Does not require heating
- Provide demulsification in tanks
- Rapid Clean-up
- Reduces oil viscosity
- Reduces under deposit corrosion
- Prevents redeposition

STORAGE AND HANDLING

Aspiration hazard if swallowed. Inhalation of mist may produce severe irritation of the respiratory tract. Do not induce vomiting if swallowed. Safety glasses and gloves, as a minimum, are recommended when handling. Keep Container closed when not in use. Store product in a dry and cool area. Refer to the *CSES-8000 Series* Safety Data Sheets (SDS) for other safety and handling information.

PACKAGING

CSES-8000 Series products are shipped from the manufacturing facility and regional distribution centers in 5 gallon and 55 gallon containers. Bulk quantities are available upon request.

ADDITIONAL INFORMATION

If you need additional information, please contact our offices.