



TETRACO₂X

CO₂ SCAVENGER

Overview

TETRACO₂X scavenger is a low molecular weight, brine soluble, amine derivative used as a corrosion inhibitor and for the treatment of acid gas influxes.

Features and Benefits

- Effective at low concentrations as a corrosion inhibitor for packer fluids.
- Can treat for acid gas contamination in water based drilling fluids.
- Can function as a temperature extender for water based drilling fluids.
- Can be used to raise the pH of brines and water based drilling fluids.
- Poses minimal health and safety risks to rig crew.
- Environmentally acceptable in Gulf of Mexico and North Sea.

Applicable Information

TETRACO₂X scavenger is an effective corrosion inhibitor for freshwater and monovalent brine based packer fluids.

TETRACO₂X scavenger can treat for acid gas contamination in water based drilling fluids. However, the chemical reaction between TETRACO₂X scavenger and hydrogen sulfide can be reversible, hence TETRACO₂X scavenger should not be used to treat large influxes of hydrogen sulfide gas.

The addition of TETRACO₂X scavenger has been found to increase the temperature stability of certain water based drilling fluids. The suitability of TETRACO₂X scavenger and the optimum treatment concentration required should always be established by pilot tests.

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Technical Specifications

Physical Properties

Appearance	Clear, colorless liquid
Specific gravity	1.02
Flash Point	241°F (116°C)
Water Solubility	Soluble

Packaging Information

55 gallon steel drums

Recommended Treatment

The typical treatment concentration for TETRACO₂X scavenger is between 0.06 to 0.35 gpb; however this should be confirmed by pilot testing. Consult a TETRA representative to discuss specific applications.

Safety and Handling

Avoid skin and eye contact, inhalation or ingestion. For skin contact, wash with soap and large quantities of water. For eye contact, flush with large quantities of water. Use properly designed respirator if adequate ventilation is not available. Refer to the Safety Data Sheet for specific details.