



TETRAClean 110

DISPLACEMENT SYSTEM

Overview

TETRAClean 110 is a mutual solvent used to remove oil-based drilling fluid residues from casing. TETRAClean 110 displacement system can be programmed as a discrete solvent casing cleanup pill or be combined with TETRAClean surfactants.

Features and Benefits

- Suitable for all commonly used oil-based mud systems.
- Compatible with most completion brine fluids.
- Compatible with anionic, cationic, non-ionic, and zwitterionic surfactants.

Applicable Information

TETRAClean 110 displacement system can be used as the first cleanup pill (i.e., following the base oil pill) to thin oil-based mud residue, and to assist in water wetting residual solids and steel surfaces. Alternatively, TETRAClean 110 displacement system may be combined with a surfactant when pit logistics restrict the number of pills.

Pill size and concentration will be determined by wellbore geometry, available wellbore cleaning tools, surface volume, and pump constraints. The use of the TETRA DeepDesign® displacement modeling tool is recommended to optimize the displacement pill train.

Physical Properties

Appearance	Clear, colorless liquid
Specific gravity	0.90 g/ml @ 68°F/20°C
Water Solubility	Soluble

Packaging Information

Bulk Container (Tote Tanks)

Recommended Treatment

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.

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