

CDI-33

DISPERSANT

Description

CDI-33 is a highly effective oil well cement slurry dispersant for use in a wide range of applications from 40 to 350°F. It thins slurries to allow easier mixing and pumping. CDI-33 lowers friction pressures. It promotes turbulent flow of cement slurries at lower rates. CDI-33 allows dense slurries to be mixed more easily.

CDI-33 shows superior performance in salt cement slurries. It is compatible with high concentrations of salt, up to saturation. CDI-33 is able to improve the performance of some other additive types such as fluid loss additives. CDI-33 is a mild cement retarder. Especially at low and moderate temperatures (to 140°F) the effect may save the expense of an additional retarder.

Properties

Form: Powder	Color: Red-Brown
pH: 8-11.4	Solubility: Complete
Flash Point: None	Odor: Mild
Water Requirement: None	Bulk Density: 31.2-43.7 lb/ft ³

Application

Typical use rate is 0.3% to 1% by weight of cement, depending on the required dispersion. Particularly in critical applications, such as plugs or production strings, care should be taken to avoid “overdosing” with dispersant. Overdosing can cause settling or free-water problems. A simple test is available to check proposed slurries for these problems.

Compatibility

Although dispersants are compatible with most cement additives, the performance of fluid loss additives may be affected when used with dispersants. In general, caution should be used when using dispersants in lightweight slurries.

Handling/Storage

Store in a dry location. Opened bags should be tightly resealed. Avoid eye, skin and inhalation contact. The dust may be irritating to the eyes and nose. A paper dust mask, safety glasses and cloth gloves are recommended during handling. Refer to the Material Safety Data Sheet (MSDS) for handling and hazard data.

Packaging

CDI-33 is packaged in 50 lb bags.