

Chemplex, L.C.

Product Bulletin

Plexaid 803 Anionic Surfactant

GENERAL INFORMATION

Plexaid 803 is a versatile surfactant for use in well cleanup and acidizing. It may be used in acid, brine, or oil based fluids to promote water-wetting of solids and to break many emulsions, particularly those stabilized by oil-wet solids.

PHYSICAL PROPERTIES

Density:	7.6 lb/gal
Solubility in water:	Soluble
Solubility in diesel:	Soluble
Appearance:	Dark amber liquid
Odor:	Alcohol like
Flash point:	57°F
Freeze point:	-15°F

CHEMICAL DESCRIPTION

Plexaid 803 contains strongly water-wetting anionic surfactants in a water-free alcohol base.

LIMITATIONS

As with any anionic surfactant, Plexaid 803 may be incompatible with cationic surfactants or clay stabilizers. Avoid using this product with these materials unless testing shows that the products in question are compatible.

RECOMMENDED USES

Plexaid 803 is useful in a variety of fluids in oilwell cleanup:

- In salt water or dilute hydrochloric acid as a mudflush ahead of cement.
- In diesel, crude oil, or aromatic solvent as a water-wetting flush in oil based mud removal.
- In hydrochloric acid as a mud or clay damage removal agent.
- In salt water as a tank bottom compound.

TREATING APPLICATIONS

As a mud flush for water-based muds ahead of cement, Plexaid 803 is frequently used at 5 to 10 gallons per thousand gallons of salt or fresh water, occasionally with SAPP (sodium acid pyrophosphate) at 200 pounds per thousand. Alternatively, the same loadings of Plexaid 803 may be used in 5% hydrochloric acid. For a flush to remove oil-based mud, a suggested procedure is to run Plexaid 803 at 5 to 15 gallons per thousand gallons of diesel. This flush should be followed with water or scavenger cement ahead of a cement job. In 15% or stronger hydrochloric acid for general well cleanup, Plexaid 803 may be used at loadings from 5 to 20 gallons per thousand. At the higher loadings, the product will show antisludging activity in many oils. Plexaid 803 has also shown utility as a tank bottom compound, for instance, for water-wetting iron sulfide and other solids which may stabilize bottom emulsions in batteries. A suggested loading would be ¼ to a full drum of product for a 100-barrel tank.

PACKAGING

Plexaid 803 is obtainable in 55 gallon poly drums, 330 gallon poly totes and Bulk storage DOT information: Flammable liquid, n.o.s., 3, UN 1993, PG II

AVAILABILITY

Plexaid 803 is available from Chemplex, L.C. at the Snyder, TX plant, the Kilgore, TX yard, or the Breckenridge, Tx yard.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, the best of our knowledge and belief, accurate and reliable as of the date compiled. However, no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use. We do not accept liability for any loss or damage that may occur from the use of this information nor do we offer any warranty against patent infringement.