GEO Specialty Chemicals - Oil Field

Lubricants

GEOlube® SCO - Unique vegetable oil technology. Excellent lubricity performance in horizontal and extended reach drilling.

GEOlube® 1501 - Unique vegetable oil technology. Excellent lubricity, low foaming performance in horizontal and extended reach drilling.

GEOlube® DS - Unique low cost vegetable oil technology. Excellent lubricity performance in horizontal and extended reach drilling.

GEOlube® OE - Ester-based lubricant. Excellent lubricity performance, reduces torque and drag in deviated hole sections.

GEOlube® OEL - Ester-based lubricant. Excellent lubricity performance, reduces torque & drag in deviated hole sections and provides metal to metal lubricity.

Friction Reducers

UltraFloc®

Liquid PHPA inverse emulsion polymers for friction reducer / gel sweep and viscosifier application. Customized synthesis by varying charge, viscosity, surfactant package and molecular weight for brackish and highly saline water environment. Complete anionic polyacrylamide emulsions with molecular weights from 15 to 35 million for use in hydraulic fracturing and coil tube applications.

E 1001 is a friction reducer with carrying capacity.

E 1008 is a superior friction reducer for fresh to API brine.
**Corrosion Inhibitors**

**Quatrene® C-5-6** - Quaternary ammonium salt concentrate. Cationic corrosion inhibitor in oil and gas production. Can also be used as a clay stabilizing agent.

**Quatrene® 7670** - Modified quaternary ammonium salt concentrate. Cationic compound used as an emulsion preventing agent in acidizing operations.

**Defoamers**

**GEO FM® A7** - Nonionic defoaming agent. Eliminates entrained air in cement for greater ease of slurry pumping and effective cavity filling.

**GEO FM® SI 42** - Hydrophobic silica defoaming agent. Eliminates entrained air in cement for greater ease of slurry pumping and effective cavity filling.

**Dispersants**

**Lomar® D** - High molecular weight polynaphthalene sulfonate. Effective dispersant, allows cement slurries to be tailored for specific well requirements providing optimum slurry characteristics for a variety of down hole conditions.

**Daxad® 19** - High molecular weight polynaphthalene sulfonate. Effective dispersant, allows cement slurries to be tailored for specific well requirements providing optimum slurry characteristics for a variety of down hole conditions.

**Coagulant**

**UltraPac®** - Inorganic metal salts in aluminum or iron form and organic polymers including polyamines and polydadmacs for use in effective coagulation in frac feed, waste water and recycle.

**Flocculant**

**UltraFloc®** - Organic high molecular weight polymers from a range of polyacrylamides, polyamines and polydadmacs for use in frac feed, waste water recycle and dewatering applications.

**Rig Wash**

**Hyonic® Rig Wash** is a blend of surfactants for a variety of uses ranging from general rig and engine cleanup to specialized cuttings wash solutions for oil muds. **Hyonic® Rig Wash** is a multipurpose product especially effective as a general cleaner when using oil-base mud.

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