

Drilling Chemicals



Viscosifiers

Brine Solution

Oil Based Mud Chemicals

Lubricants Special Additives

Shale Stabilizers

Well Protection

Dispersants and Deflocculants

Defoamers

Scavengers

Product Name	Chemistry	Application
Viscosifiers (HEC, CMC, PAC, Xanthan Gum, Guar Gum, Drilling Starch, Attapulgate Clay, Drilling Polymer)	Hydroxyethyl Cellulose, Carboxymethyl Cellulose Sodium, Proprietary blends	Improve a drilling fluid's ability to remove cuttings from the wellbore and to suspend weight materials during periods of noncirculation
Brine Solution	Sodium Bromide / Calcium Bromide / Sodium and Potassium Formate	Prevents adsorption of water by shales
Oil Based Mud Chemicals (Primary Emulsifiers, Secondary Emulsifiers, Thinner for Oil Based Mud, Rheology Modifier, Wetting Agent)	Proprietary blends	Results in high drilling performance, lower drill pipe torque and drag, less bit balling and reduction in differential sticking
Lubricants Special Additives (Extreme pressure, water dispersible without hydrocarbon, drilling detergent, BVB copolymer beads)	Vegetable Oil / Water based / Beads	Reduces friction
Shale Stabilizers	Sulphonated Asphalt, partially-hydrolyzed polyacrylamide, Gilsonite, Choline Chloride	Prevent reactive shale and clay from swelling and sloughing
Well Protection (Amine Corrosion Inhibitor, Scale Inhibitor, Biocide)	Glutaraldehyde, Proprietary blends	Protect the well from formation of contaminants and bacteria
Dispersants and Deflocculants	Chrome Free, Lignosulphonate	Dispersants aid in breaking up solids or liquids as fine particles or droplets into another medium Deflocculant is a thinning agent used to reduce viscosity
Defoamers	Alcohol / Silicone based	Suppress process foaming
Scavengers	Triazine / Non-Triazine	Remove contaminants