

Trade Name	Function	Description	Product Features and Benefits	Principal Supplier
Drilling Fluids/Completions				
Aquaflow™	Rheology modifier, fluid loss additive	Carboxymethylcellulose (CMC)	Reduces fluid loss in oil based fluids. Imparts rheology into the system copolymer. Use up to 200° F	Ashland
AquaPAC™	Rheology modifier, fluid loss additive	Carboxymethylcellulose (CMC)	Reduces fluid loss in oil based fluids. Imparts rheology into the system copolymer. Use up to 200° F	Ashland
BLACK PEARLS®, VULCAN®	Conductivity, maskant	Carbon black	Electrically conductive carbon black and low cost carbon back pigment	Cabot
CAB-O-SPERSE®	Rheology control	Fumed Silica	Cationic and anionic applications	Cabot
CONTROL®	Filtration and shale control agents	Modified corn starch	Corn-based renewable polymers, long term stability, addition rates of less than 0.1%	Grain Processing Corp.
DEERES 400	Fluid loss control	Proprietary	Fluid loss additive (FLA) for wide range of pH alkalinities with secondary functions, thinner dispersant for water based drilling muds, stable at BHT of 400° F	Borregaard
Dragonite™	Wetting agent, rheology modifier	Halloysite clay	Aluminosilicate Clays	Applied Minerals
Drewplus™	Defoamer	Mineral oil, polysiloxane		Ashland
EcoDura™	Rheology modifier	HEC aqueous fluidized polymer suspension		Ashland
Klucel™	Thickeners	Hydroxypropylcellulose (HPC)	Nonionic water soluble cellulose ether	Ashland
Lecithin	Lubricant	Plant lecithin extract	Renewable green chemistry from soy or sunflower	American Lecithin
Natrosol™	Rheology modifier	HEC glycol fluidized polymer suspension		Ashland
Novec™	Surfactant	Fluorosurfactant	Ultra wetting agent, foam control	3M
Pea and Potato Starch	Rheology control	Pea and potato starch	High waterbinding, low gelatinization temperture, renewable green chemistry	Emsland
SAG* 831	Defoamer	Silicone	Cost effective powder defoamer	Momentive
Surfactol®	Emulsifier	Castor oil	Emuslifier, solubilizer, dispersant and lubricant	Vertellus
Techwax™	Defoamer, foamer, rheology modifier, shale swell inhibitor, fluid loss, lubricant, emulsifier, detergent, wetting agent, spotting fluid	Silica, silicones, organophically modified and mineral oilified silicones	Highly effective on entrained gas, surface macrofoam and microfoam	Ashland
Techwax™	Rheology modifier	PAC, CMC, HEC mineral oil fluidized polymer suspension	Highly effective on entrained gas, surface macrofoam and microfoam	Ashland
Cementing				
3M™ Glass Bubbles HGS Series	Density modification, compression strength	Low density, high strength glass bubbles	Best-in-class engineered product with highest density reduction capability at target pressure and highest strength to weight	3M
AMIRON™ OH-50	Natural pozzolan	Holloysite, kaolinite, quartz	Natural pozzolan mineral class "F" fly ash alternative	Applied Minerals
D-2502	Retarder, dispersant	Modified sodium lignosulfonate	Suggested operating temperature ~80–210° F. Mild retarder with optimum dispersant properties	Borregaard
Dragonite™	Reinforcement	Pure halloysite	Acicular shaped pozzolan mineral replacing chopped fiber for concrete reinforcment	Applied Minerals
Indusil FINA	Anti Foaming	Silicone	Excellent foam control (powder additive) for a wide variety of cement slurry formulations	Momentive
Kelig 32	High temperature retarder	Sodium lignosulfonate	Suggested operating temperature ~220–300° F. Compatible with anionic, nonionic and with most organic and inorganic materials	Borregaard
Marabond 21	Low temperature retarder	Calcium lignosulfonate	Suggested operating temperature ~80–210° F. Compatible with anionic, nonionic and with most organic and inorganic materials	Borregaard
Natrosol™	Rheology modifier, free fluid loss control, water retention FLA, gas migration control	Hydroxyethylcellulos (HEC)	High efficiency, nonionic, easily dispersible etherified water soluble powder	Ashland
PVA	Fluid loss additive	Polyvinylalcohol (PVOH)	Standard PVOH cement fluid loss additive	CCP7
PVP K -30	Fluid loss control	Synthetics	High temperature enhancer compatible with formaldehyde, naphthalene and sulfinate dispersants	Ashland
Vanisperse CB	Dispersant	Modified sodium lignosulfonate	Dispersant deflocculant for wide range of cement slurry densities	Borregaard
WC-33	Fluid loss additive	POVAL	High temperature fluid control loss additive	Denka
XxtraDura™ FLA3767	Gas migration control and fluid loss additive	Synthetics	Anionic copolymer recommended for operating temperature ~220–350° F.	

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Stimulation				
Baxxodur® D230	Shale swell inhibitor	Polyetheramine, surfactant	Forms salts for surfactant use	BASF
CAB-O-SIL®	Fumed silicates	Thixotropic thickener	Enhance guar gum flowability	Cabot
CS-1550	Clay stabilizer	Cellulosic viscosifier	Patented CS polymers to prevent hydration, swelling and fines migration.	Polymer Ventures
Production Additives				
D.E.R.	Demulsifiers	Epoxy resin	Waterborne dispersions, epoxy based adhesives	Olin
Inhibex™	Kinetic hydrate inhibitors	Polyvinylpyrrolidone (PVP)	Highlight the most important features and benefits of the product	Ashland
Jaypol™	Scale inhibitors	Sulfonated copolymer	Excellent control of calcium, barium and strontium. Continued stability and performance in severe inhibitors that can be used under an array of conditions such as service environments.	Ashland
Mondur®	Demulsifiers	Polyether and polypropylene glycol polyol	Building block for EO/PO tipped demulsifiers	Covestro
SAG	Foamers, defoamers	Silicone	Effectively control foam in various applications such as diesel fuel, gas sweetening, butadiene, gas oil separators, drilling muds, others.	Momentive
Silbreak*	Demulsifiers	Silicone	Boosters for organic demulsifier formulations at low concentrations	Momentive
Other				
Propargyl Alcohol	Corrosion inhibitor	Propargyl alcohol	Metal complex solution, a solvent stabilizer also used as an intermediate in organic synthesis	BASF
DCEE	Corrosion and scale inhibitor	DCEE	Proven corrosion and scale inhibitor	Nippon Soda