

Well Activity Types	Chemical Ingredient	Ingredient Purpose
Maintenance Acidizing	Hydrochloric acid	Acidizing
	Hydrogen fluoride (Hydrofluoric acid)	Acidizing
	Water	Acidizing
	Hydrochloric acid	Acidizing
	Hydrogen fluoride (Hydrofluoric acid)	Acidizing
	Water	Acidizing
	Oxyalkylated Amine Quat	Clay Control
	Sodium Chloride	Clay Control
	Water	Clay Control
	Fatty Acids	Corrosion Inhibitor
	Formaldehyde	Corrosion Inhibitor
	Methanol	Corrosion Inhibitor
	Olefin	Corrosion Inhibitor
	Polyoxyalkylenes	Corrosion Inhibitor
	Propargyl Alcohol	Corrosion Inhibitor
	Sodium Chloride	Corrosion Inhibitor
	Thiourea Polymer	Corrosion Inhibitor
	Water	Corrosion Inhibitor
	Citric Acid	Iron Control
	Water	Iron Control
	Erythorbic Acid	Iron Control
	Copolymer	Non-emulsifier
	Methanol	Non-emulsifier
	Oxyalkylated Alkylphenol	Non-emulsifier
	Water	Non-emulsifier
	Ammonium Chloride	Component of Ammonium Chloride - Salt
	Ethylene Glycol Monobutyl Ether	Solvent
	Citrus Terpenes	Solvent
	Terpene Hydrocarbon	Solvent
Gravel Packing	Water	Formation Stabilization
	Linear/branched c11 alcohol ethoxylate (8 eo)	Formation Stabilization
	2-butoxyethanol	Formation Stabilization
	Butan-1-ol	Formation Stabilization
	Glutaraldehyde	Formation Stabilization
	Linear/branched c11 alcohol ethoxylate (3 eo)	Formation Stabilization
	Undecanol, branched and linear (Impurity)	Formation Stabilization
	Ethane-1,2-diol	Formation Stabilization
	Water	Proppant Transport
	Erucic amidopropyl dimethyl betaine	Proppant Transport
	Propan-2-ol	Proppant Transport
	Sodium chloride	Proppant Transport
	Benzenesulfonic acid, 4-ethenyl-, sodium salt, homopo	Proppant Transport
	Sodium chloroacetate	Proppant Transport
	Vinylidene chloride/methylacrylate copolymer	Proppant Transport
	Glutaraldehyde	Proppant Transport
	Acetic acid ethenyl ester, polymer with ethenol	Proppant Transport
	Polyvinyl acetate, partially hydrolyzed	Proppant Transport
	Magnesium silicate hydrate (talc)	Proppant Transport
	Crystalline silica	Fluid Loss Control / Proppant
Drilling (Mud)	Calcium carbonate	Well Control / Wellbore Stabilization
	Calcium carbonate	Well Control / Wellbore Stabilization
	Silica, crystalline, quartz	Well Control / Wellbore Stabilization
	Calcium carbonate	Well Control / Wellbore Stabilization

	Silica, crystalline, quartz	Well Control / Wellbore Stabilization
	Xanthan gum	Well Control / Wellbore Stabilization
	Glyoxal	Well Control / Wellbore Stabilization
	Mineral fiber	Well Control / Wellbore Stabilization
	Silica, crystalline, quartz	Well Control / Wellbore Stabilization
	Bentonite	Well Control / Wellbore Stabilization
	Silica, crystalline, quartz	Well Control / Wellbore Stabilization
	Silica, crystalline, quartz	Well Control / Wellbore Stabilization
	Gypsum (Calcium sulfate)	Well Control / Wellbore Stabilization
	Barite	Well Control / Wellbore Stabilization
	Silica, crystalline, quartz	Well Control / Wellbore Stabilization
	Mica	Well Control / Wellbore Stabilization
	Wood dust, soft wood	Well Control / Wellbore Stabilization
	Sodium bicarbonate	Well Control / Wellbore Stabilization
	Anionic acrylamide copolymer	Well Control / Wellbore Stabilization
	Water	Well Control / Wellbore Stabilization
	Polymer	Well Control / Wellbore Stabilization
Drilling (Cement)	2-Ethyl hexanol	Pre-flush
	Water	Pre-flush
	sodium chloride	Pre-flush
	citric acid	Weighted Spacer Blend
	Crystalline silica, quartz	Weighted Spacer Blend
	Crystalline silica, cristobalite	Weighted Spacer Blend
	Barium sulfate	Weighted Spacer Blend
	Crystalline silica, quartz	Weighted Spacer Blend
	Silica, amorphous - fumed	Weighted Spacer Blend
	Ethylene glycol	Weighted Spacer Blend
	Acetic acid	Weighted Spacer Blend
	Citric acid	Weighted Spacer Blend
	Calcium sulfate	Weighted Spacer Blend
	Gypsum	Weighted Spacer Blend
	Calcium carbonate	Weighted Spacer Blend
	Crystalline silica, quartz	Weighted Spacer Blend
	Water	Mix Water
	Portland cement	Cement Blend
	Crystalline silica, quartz	Cement Blend
	Sodium metasilicate, anhydrous	Cement Blend
	Cellophane	Cement Blend
	Calcium chloride	Cement Blend
	Potassium chloride	Cement Blend
	strontium chloride	Cement Blend
	sodium chloride	Cement Blend
	Calcium oxide	Cement Blend
	Iron oxide	Cement Blend
	Magnesium oxide	Cement Blend
	Fly ash	Cement Blend
	Aluminum oxide	Cement Blend
	Crystalline silica, cristobalite	Cement Blend
	Carbon	Cement Blend
	Silica, amorphous	Cement Blend
	Aluminum	Cement Blend
	Sodium aluminate	Cement Blend