

Oil & Gas



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Drilling

Product	Tradename	Application
anionic acrylic copolymer	Performal LK	Fluid loss reducer, rheology stabilizer for a wide range of water based muds; effective as shale stabilizer
anionic naphthalene sulphonate polymer	Performal LB	Filtrate reducers, cementing dispersant
Antifoam	Silcolapse & Bluesil series	Foam Control Agent for drilling muds or drilling fluids
API 4.1 Barium Sulphate	CIMWATE 200	Drilling Fluids
Biodegradable Surfactant System	ADM 800	Drilling mud lubricant and wetting agent
Biodegradable Surfactant System	ADM OFE	Drilling mud lubricant and wetting agent
Biodegradable Surfactant System; epoxidized soy methyl ester	ADM self-emulsifying epoxidized SME	Drilling mud lubricants
Biodegradable Surfactant System; soy methyl ester	ADM self-emulsifying SME	Drilling mud lubricants
Biodegradable Surfactant System; soy methyl ester	ADM self-emulsifying soy oil	Drilling mud lubricants
carboxymethyl cellulose (CMC's)	CELPOL R	Key additive for fluid loss control, shale encapsulation and to supplement viscosity in water base drilling fluids
carboxymethyl cellulose (CMC's)	CELPOL SL	Stability, and greater film thickness compared to alternative base fluids
Cationic Polyacrylic Polymers	Perforamol LP & LWP	Synthetic Shale Control Inhibitor
Choline Chloride	Choline Chloride	Biodegradable, brine compatible clay stabilizer
Citric acid	Citric acid Anhydrous Fine granular, non edible	PH reducer and scale remover in water based drilling fluids. Iron control, scale removal, prevents precipitation of metal oxides
Diatomite/Diatomaceous Earth	Celite	LCM, Oil well Cementing, Filtration. Diatomite can be used as a loss circulation material in drilling fluids, filtration material, and in oil well cementing as an extender and as a pozzolanic additive.
Environmentally Friendly Lubricant	TNB 100N	Lubricant excellent for stuck coil or drillstring in drilling formations and stage plugs. Coefficient of friction of 0.01.
Glycerine	Glycerin 99.5%	Glycerin can be reacted to make polyglycerols for drilling muds formulated for shale stabilization.
Glycerol Esters	Mazols	Drilling fluid Additive & Fracking Fluid Additive. These esters are excellent emulsifiers.
Guar Gum	BC Guar Gum	Drilling Fluid Additive, Fracking Fluid Additive, Powder and Fast Hydrating Versions
Lubricant for Drilling & Coiled Tubing stage drillouts	PDS Super LW (winterized)	Drilling & Coiled Tubing Stage Drillouts (water and oil based muds) PDS Super LW has the lowest coefficient of friction of any lubricant on the market. Provides exceptional well-bore stability, fluid loss prevention, and rheology control.
Modified Potato Starch	Emloc	Drilling, work over or completion high temperature fluid loss control additive. Filtration control in all types of water base drilling fluids ranging from fresh to salt saturated waters.
Oilfield Fibre	Arbocel grades	(LCM) Finely ground cellulosic material that controls loss circulation and seepage losses in both water and oil-based drilling fluids.
Organo Clay	BK 886B	Rheology/Viscosifier for drilling fluids (diesel and mineral based)
Organo Clay (tetraalkyl ammonium bentonite) for White Oil Systems	BK-192D (vs Bentone 150)	High gelling efficiency over low to medium polarity organic fluids. Easy to incorporate and stable viscosity development.
Organo Clay for Diesel Systems	BK-150D (vs Bentone 150)	High gelling efficiency over low to medium polarity organic liquids, applicable to low temp systems.
Organo Clay for High temp Diesel Systems	BK-192F (vs Bentone 150)	Viscosifier for any oil-based drilling fluid. Stable at temperatures approaching 204C
Phosphate esters	CHEMFAC Series	Corrosion inhibition, dispersants for WBM, hydrotrope in alkaline environments, gelling agents for organoclay, emulsifiers, and as scale inhibitors.
Poly Acrylic Polymers and Copolymers	Perforamol 21 ,23, LHD	Synthetic thickening agent for water based drilling fluids. Achieves maximum shear-thinning viscosity and suspension properties with high temperature tolerances.
poly anionic cellulose (PAC's)	CALEXIS R	Key additive for fluid loss control, shale encapsulation and to supplement viscosity in water base drilling fluids

Drilling (continued)

Product	Tradename	Application
poly anionic cellulose (PAC's)	CALEXIS SL	Key additive for fluid loss control, shale encapsulation and to supplement viscosity in water base drilling fluids
Polyethylene Glycol Esters	Mapeg	Primary and secondary emulsifiers with stability over a wide range of formulating conditions
Polymer Slurry RHEOLOGY Modifier	XC Vis 5/10/20	Effective xanthan polymer slurry for use in either oil and gas drilling or coiled tubing horizontal cleanouts.
Sodium Citrate	Sodium Citrate Dihydrate USP24	Drilling Fluids and Oil Sands. Rheology modifier. Chelating & retarder, removal of heavy metals in oil sands.
Sorbitan Fatty Acid Esters	S-Maz	Emulsifier & lubricant used to prepare highly stable water in oil emulsions.
Sorbitan Sesquileate (SSO). Tall oil fatty acid ester of sorbitol	SSO	Oil Wetting Agent, Oil slick dispersant and Corrosion Inhibitor. Derived from naturally renewable resources.
Stearic Acid -saturated C18	Stearic Acid	Stearic acid is used in drilling fluids as a viscosifier and defoamer.
Sulfosuccinates	CHEMAX Series	Wetting agents, dispersant additives, spotting fluid additives, and excellent thinners for WBM
Talc	IMERYS Talc	(Fluid Loss Additive) Rheology modifier to increase gel strengths as well as viscosity
Tall Oil Fatty Acid	Sylfat FA1, FA2	Emulsifiers and rheology modifiers in drilling fluid additive. Oil based drilling fluid.
Unbleached Lecithin	Yelkin TTS	Enhances emulsion, suspension and dispersion in oil based drilling fluids/mud
Water based Organoclay Rheological Additive	BK 882	Provides good thixotropy and stability to give crude oil and diesel systems good suspension property, wall protection and anti-filtration
Xanthan Gum	KELZAN XC	Polymer, a unique rheology modifier, and viscosifier
Xanthan Gum	KELZAN XCD	Polymer, a unique rheology modifier, and viscosifier
Copolymer	Copolymer	Water based drilling mud additive, rheology modifier
Lost Circulation Material	Kwik-Seal	Premium multi-component LCM material.

Fracturing

Product	Tradename	Application
Aluminum Salt of 2-ethylhexoic acid	Calford G-810	Provides very strong gels in fracture oil wells which are based on diesel fuel or similar solvents.
Aluminum Soap	Calford G-760	Complex soap designed to gel hydrocarbon and fracturing fluid at room temperature.
Ammonium Chloride (NH4Cl)	Ammonium Chloride	Offers many properties that serve to minimize or prevent formation damage. They are shale inhibitive and compatible with most formation water.
Breaker	Calford GB-452HF	Where downhole temp are not sufficient to effect complete break (below 65 degree C) a companion chemical.
Ceramic spheres	DEEPROP Ceramic Beads	Proppant for micro-fracking, increased well production
Ceramic spheres	Seal-N-Slide	Proppant - Application suited for shale sweeps.
Distilled Tallow Fatty Acid	Voleic product range	Biodegradable emulsifier
Friction Reducer & Proppant Carrying Fluid	MM 200, 201, 300	Rapidly Hydrating Polymer friction reducer and viscosifier blend that hydrates rapidly.
Fumed Silicates	CAB-O-SIL	Used as a thixotrop thickening foaming fracking fluids to carry proppants, enhance guar gum flowability
Glyoxal 40%/Ethandial	Glyoxal 40%	Increases viscosity of fracturing fluids.
Hydrating Polymers	Activator A	High performance activator for building viscosity in following conditions: high salt brines, crude/water oil, cold water, compromised slurry design, compromised equipment with poor shear rate.
Hydrogenated Coconut Fatty Acid	Hydrogenated Coconut Fatty Acid	Biodegradable emulsifier

Fracturing (continued)

Product	Tradename	Application
Lactic acid	Lactic acid 88% Heat Stable	Can be used as a crosslinking agent for polymer gels. Removal of carbonate or iron scale in oil equipment. High temperature applications
Low Viscosity base oil	HY40	Fracturing Fluid. Suitable for wide range of application temperatures
Microemulsion, Enhanced Flowback and Shale Stabilizer	RTN PLS X-15	Improves flow through perforations where a water or emulsion block is suspected.
Oleic Acid	Oleic Acid	Oleic acid as its sodium salt is a major component of systems as an emulsifying agent
Polyethylene glycol	Pluriols	Reduces the aggregates and nanomaterials affinity for aggregation and improves their transport through porous media
Polysorbates-ethoxylated sorbitan fatty acid ester	T-Maz	Dispersants, corrosion inhibitors. For oil in water and water in oil emulsification needs. Used as stabilize and dispersing agent.
Sodium Lactate 60% liquid	Arlac S	Can be used as a crosslinking agent for polymer gels. High temperature applications
Sorbitan Fatty Acid Ester/Sorbitan Monooleate (SMO)	S-MAZ 80K / SMO	Oil slick dispersant
Wellbore Sweep Fluid	Maxim Sweep	Multifunctional Wellbore Sweep. This lubricant acts as an excellent corrosion inhibitor and oxygen scavenger.
Polymer	V Frack 14	Alternative to guar gum. Better temperature stability, leaves no footprint. Rheology modifier.

Production

Product	Tradename	Application
2-alkyl branched fatty alcohols	Kalcol line	Co-solvent or coupling agent to improve the solubility of highly polar substances in mineral oil or improve the stability of dispersions/emulsions.
Alkyl DiMethyl Tertiary Amine; > 95% Di-C10	FARMIN M2-1095	Corrosion Inhibitors/biocides; Amine Oxides for Stimulation & Cleanup.
Alkyl DiMethyl Tertiary Amine; > 98% C18	FARMIN DM8098	Corrosion Inhibitors/biocides; Amine Oxides for Stimulation & Cleanup.
Alkyl DiMethyl Tertiary Amine; 40% C12, 50% C14, 10% C16	FARMIN DM4250	Specialty Additives for Grease
Alkyl DiMethyl Tertiary Amine; Coco distribution C8 - C18	FARMIN DM24C	Extreme Pressure Additives
Alkyl DiMethyl Tertiary Amines; 70% C12, 25% C14, 5% C16	FARMIN DM2470N	Synthetic fluids in that there is no surface competition with additives.
Biodegradable Surfactant System; epoxidized soy methyl ester	ADM epoxidized SME microemulsion	Production chemicals and asphaltene removers
Biodegradable Surfactant System; soy methyl ester	ADM SME Low pour point microemulsion	Production chemicals and asphaltene removers
Biodegradable Surfactant System; soy methyl ester	ADM SME Water dilutable microemulsion	Production chemicals and asphaltene removers
Broad Range Scale Control Agent	LVL Scale 2920	Scale deposit control developed as a Calcium Carbonate and Barium Sulphate scale inhibitor for use in high temperatures (to 250F)
Calcium Carbonate Deposit Control Agent	LVL Scale 2940	For severe potential calcium carbonate scale formation in challenging environments, Iron tolerant, thermally stable. Ideal for H2S Scavenger applications in high Calcium waters.
DDBSA , Alkylbenzene Sulfonic Acid	DDBSA - Linear Alkylbenzene Sulfonic Acid	Anionic surfactant used as antisludge additive/emulsion breaker and paraffin dispersant.
Di-C1214 Methyl Benzyl quaternary	SANISOL D24P	Corrosion Inhibitors
Dimerized fatty acids	Unidyme 60 & 60 Special, Unidyme 35,18	Corrosion Inhibitor base.
Imidazolines	CHMAZINE Series	Primary corrosion inhibitors for drilling and production

Production (continued)

Product	Tradename	Application
Iron Control	LVL Iron Control 1806	Iron Control. Blend prevents Iron Sulphide and Iron Oxide deposits
Laureth Carboxylic Acid	Akypo line	Excellent emulsifier with good wetting properties. Hard Water stability.
Laureth Carboxylic Acid	Akypo RLM 45CA	High foaming; pH, Temp, Electrolyte stable
Laureth Carboxylic Acid	Akypo RLM100	High foaming; pH, Temp, Electrolyte stable
Laureth Carboxylic Acid	AKYPO RLM25	High foaming; pH, Temp, Electrolyte stable
Metal Foul & Scale Control	LVL 860D Metal Foul & Scale Control	A specialty solid product for oilfield systems where Iron fouling and Corrosion are of primary concern.
Multi-Functional Paraffin Inhibitor	LVL Para 700	Designed for difficult and challenging oilfield systems with severe potential for paraffin formation.
Oleth Carboxylic Acid	AKYPO RO20VG	Emulsifier, Lubrication; pH, Temp, Electrolyte stable
Oleth Carboxylic Acid	AKYPO RO50VG	Emulsifier, Lubrication; pH, Temp, Electrolyte stable
Scale and Metal Control	LVL 810D Scale and Metal Control	A specialty solid product for oil and gas wells where Iron fouling and Corrosion are of primary concern.
Scale/Corrosion Inhibitor	LVL 904D Scale/Corrosion Inhibitor	A "slow-release" form of scale/corrosion inhibitor developed for use in fracturing applications.
MMA Triazine 42.5%	BC - MMA Triazine	Hydrogen Sulfide Scavenger
Triazines 20-65%	BC - MEA Triazine	Hydrogen Sulfide Scavenger

Cementing & Completions

Product	Tradename	Application
Antifoam	Silcolapse series	Foam control agent for well cementation
Biopolymer	XANVIS / L	Assures minimal formation damage and maximum production potential from the reservoir
Diutan Gum	LVL OG XT	Key additive in the formulation of cement spacer fluids. Compatible with a wide range of cements
Highly Reactive Metakaolin	PowderPozz- Regular	Oil well cement extender & reduces the hardened cement permeability to liquids and gases
Magnesium Alumino Silicate	Acti-Gel 208	High efficiency suspension/anti-settling mineral
Perlite	Harborlite	Lightweight minerals used in well cementing to reduce cement slurry density
Superplasticizer	Nimexol K & R	A liquid admixture specifically designed to enhance early strength characteristics and batch-to-batch ease of use.

Refining/Gas Processing

Product	Tradename	Application
Activated Alumina	ESM Series (Blended, Promoted, Pure, TiO2)	Dehydration, sulfur catalyst, titania catalyst, chloride removal, defluorination alumina
Activated Carbon		Purification
Antifoam	Silcolapse & Bluesil series	Foam Control Agent for distillation, cracking, gas processing, and glycol dehydration.
Inert Support Material	ESM Series	Inert and tabular catalyst support balls
Molecular Sieve	3A, 4A, 5A, 10X, 13X	Dehydration, Sweetening, Absorbent
Silica Gel	HY Series	Dehydration, Hydrocarbon Recovery

Oil Sands

Product	Tradename	Application
MMA Triazine 42.5%	BC - MMA Triazine	Hydrogen Sulfide Scavenger
Triazines 20-65%	BC - MEA Triazine	Hydrogen Sulfide Scavenger

Lubes and Greases

Product	Tradename	Application
Additive Blends & Packages	NA-LUBE® BL Series	The products are generally available in lieu of additive component formulating
Alkylated Naphthalene Synthetic Basestock	NA-LUBE® KR Series	Provides superior thermo-oxidative stability, excellent hydrolytic stability, and greater film thickness
Antioxidants	NA-LUBE® AO Series	These products retard the oxidation of lubricants thus reducing sludge formation and viscosity increase
Antiwear Additives	NA-LUBE® AW Series	Antiwear Additives
Ashless Dialkyldithiocarbamate	NA-LUBE® KR ADTC	Additive that offers excellent extreme pressure, antiwear, and antioxidant properties
Cold Flow Improvers	Functional CD series	Pour point depressants are used in hydraulic fluids, gear oils and motor oil when low temperatures may be encountered
Extreme Pressure Additives	NA-LUBE® EP Series	Extreme Pressure Additives
Grease Additives	Functional V Series	To improve shear stability, water washout, and water spray-off in grease. May be used in organic and synthetic greases
Rust & Corrosion Inhibitors	K-CORR®	Rust & Corrosion Inhibitors
Rust & Corrosion Inhibitors	NA-SUL®	Premium rust and corrosion inhibitors for industrial lubricants, greases, metalworking fluids, and rust preventives
Specialty Additives for Grease	K-CORR® G Series	Specifically designed for greases subjected to severe conditions
Specialty Packages & Additives	Various	Packages for formulation of hydraulic fluids, gear oil additives, & formulating way oils
Tackifiers	Functional V Series	Provides varying degrees of shear stability and string length
Viscosity Modifiers	Functional V Series	Reduce mineral oil thinning as the temperature increases. Can be used at higher treat levels to thicken the base fluid

Industrial Cleaning

Product	Tradename	Application
Green Wellbore Cleaning Spacer	CleanVoc	Water-wetting product that, prevents hydrocarbons from depositing. Will remove sludges from oil based muds
Nacol Ether 6	NACOL	D'Limonene Alternative that is biodegradable, non- hazardous, and has low VOC and low pour point.
NOVEL®23E7 Ethoxylate	NOVEL	Biodegradable, non-ionic Surfactant
NOVEL®23E9 Ethoxylate	NOVEL	Biodegradable, non-ionic Surfactant
NOVEL®6-3 Ethoxylate	NOVEL	Biodegradable, non-ionic Surfactant
LVL OG 6923	LVL OG	Proprietary blend for fast cleaning of any oil or grease on any surface. Biodegradable, non- hazardous, low VOC, and low pour point product.
Polyoxyethylene Alkyl Ether Nonionic Surfactant	Emulgen line	NPE replacement. Emulsifier and wetting agent.
Propylene Glycol, Industrial	BC - PGI	HVAC, Cleaning, Reduce hydrate formation, Drilling Fluid Testing used to test oil based drilling fluids

Miscellaneous

Product	Tradename	Application
Solvent borne adhesive	Thixon & Megum range	Vulcanized metal primer systems. Rubber to metal bonding agents
Plastic Containers (up to 7.5 gal. pails)		Product Packaging
Propylene Glycol	Propylene Glycol Industrial Grade	Reduce hydrate formation, Used to test oil based drilling fluids
Steel Containers (up to 5 gal. pails)		Product Packaging

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