Environmental Drilling & Completion Fluids Directory

The 2020 Environmental Drilling and Completions Fluids Directory is a listing of industry fluid manufacturers and their individual products. The directory is differentiated into 22 sections based on type of fluid. Forty-five participating companies and distributors are listed in the directory. Each listing includes new and updated products provided by each company with a description of the product and its general characteristics. With regulations and guidelines for the North Sea operational sectors requiring substances/preparations used and discharged offshore that are considered to pose little or no risk (PLONOR) to the environment listing and Harmonized Offshore Chemical Notification Format (HOCNF) rating, this information is listed in the directory.

The accompanying survey is modified to accommodate for space.
For complete listings, download the survey at www.offshore-mag.com/surveys

ENVIRONMENTAL DRILLING & COMPLETION FLUIDS COMPANY LISTING

ADM Evolution Chemicals
4666 Faries Parkway
Decatur, Illinois 62526
(217) 451-8497
heidi.wirey@adm.com

AES Drilling Fluids, LLC
11767 Katy Freeway, Suite 230
Houston, TX 77450
281-556-5628

Akzo Nobel Functional Chemicals BV
Lispinweg 6
6075 CE Herkenbosch
The Netherlands
+31 475 539292

American Gilsonite Co.
16200 Park Row Drive, Suite 250
Houston, TX 77084

Aqua-Clear Inc.
608 Virginia Street, East
Charleston, West Virginia 25301
(304) 343-4792

ASAP Fluids Pvt. Ltd.
203-204, Kailash Commercial Complex,
L B S Marg, Vikhroli West,
Mumbai 400083
91-22-25789930
prakashmanve@asapfluids.com

BASF
3120 Hayes Road, Suite 200,
Houston, Texas 77082
(832) 775-7223

Baker Hughes
2001 Rankin Road
Houston, Texas 77073
(713) 625-4200

Boysenblue/Celtec International Inc.
P.O. Box 53648
Lafayette, Louisiana 70505
(337) 233-1121

Chemstar Products Co.
3232 East 40th Street
Minneapolis, Minnesota 55406-3203
(612) 722-0079

Chemtotal Pty Ltd.
Plot #35, Khasra# 252/2, Tanawara Industrial Area,
Salawas, Jodhpur - 342013.
Rajasthan, India
deepak@chemtotal.com

Croda Inc.
300-A Columbus Circle
Edison, New Jersey 08837
(732) 417-0800

Deep South Chemical Inc.
P.O. Box 80657
Lafayette, LA 70598-0657
(337) 837-9931

Drilling Specialties Co.
10001 Six Pines Drive
The Woodlands, TX 77380
832-813-4876

Drillsafe Janel Int.
Polanska 35
43-450 Ustron, Poland
(48) 33 854 3000
biuro@drillsafe.com.pl

Eco Fluids, Inc.
1914 West Gray, #301
Houston, Texas 77019
713-654-7888
tsmith@ecofluids.net

Elgin Separation Solutions
10050 Cash Road
Stafford, Texas 77477
(281) 261-5778

Elkem Materials
Unit 17, Jessops Riverside, Brightside Lane, Sheffield, S9 2RX
+44 1334 650012
chris.steele@elkem.no

Emery Oleochemicals GmbH
Henkelstrasse 67
40589 Duesseldorf, Germany
(49) 211 5611 2502

Fluid Energy Group Ltd.
Suite 1500, 140-10th Ave SE
Calgary, AB Canada T2G 0R1
Steve@fluidenergygroup.com

Global AM-TX, Inc. & Companies
210 S. Hood St.
Alvin, Texas 77511
(281) 331-0200
ssingh@globalam-tx.com

Grain Processing Corp.
1600 Oregon Street
Muscatine, Iowa 52761
(866) 268-3561
david_cali@grainprocessing.com

Gumpro Drilling Fluids Pvt Ltd.
LBS Marg, Vikhroli West
Mumbai 400 083, India
91-22-25793280
anandgupta@gumprodf.com

Impact Fluid Solutions
2800 Post Oak Blvd. Suite 2000
Houston, Texas 77056
(713) 551-4610
jene.rockwood@impact-fluids.com

Kelco Oil Field Group
10920 W. Sam Houston Pkwy. N.,
Ste. 800
Houston, Texas 77064
(713) 895-7575

Lamberti SPA
Via Marsala 38 – Torre D
21013 Gallarate (VA)
Italy
(39) 0331-715701
stefano.crespi@lamberti.com

Lamberti USA Inc.
P.O. Box 1000
US 59 @ County Road 212
Hungerford, Texas 77448
(281) 342-5675

Liquid Casing Inc.
1011 Augusta Dr., Ste. 111
Houston, Texas 77057
(713) 785-0594

M&D Industries of Louisiana Inc.
P.O. Box 82007
Lafayette, Louisiana 70598-2007
(337) 984-0471
rcope@ultrasealinc.com

Mayco Wellchem Inc.
1525 North Post Oak Road
Houston, Texas 77055
(713) 688-2602

M-I SWACO
5950 North Course Drive
Houston, Texas 77072
(713) 739-0222

Montello Inc.
6106 E. 32nd Place, Suite 100
Tulsa, Oklahoma 74135-5495
(800) 331-4628

Newpark Fluids Systems
21920 Merchants Way
Katy, TX 77449
(281) 754-8600

National Oilwell Varco
700 Conroe Park North Dr.
Conroe, Texas 77303

Oleon N.V.
Vaartstraat 130
2520 Oelegem
Belgium
(32) 3 4706272
Michel.janssen@oleon.com

PQ Corp.
Valleybrooke Corporate Center
300 Lindenwood Drive
Malvern, PA 19355-1740

Prime Eco Group, Inc.
2933 Hwy 60 South
Wharton, Texas 77488
(979) 531-1100
guzmanf@primeecogroup.com

PT. Indobent Wijaya Mineral
Desa Punung
Pacitan, Propinsi Jawa Timur,
Indonesia
62 81 330886381

QMax
11700 Katy Fwy., Ste 200
Houston, TX 77079
(832) 672-4459

Quaron N.V.
Industrieweg 27
1521NE Wormerveer
The Netherlands
(31) 75 6474500

Setac Corp.
5905 Johnston Street, Suite E
Lafayette, Louisiana 70503-5466
(337) 988-2236
setac@bellsouth.net

SUN Specialty Products
503 Main Street
Belle Chasse, Louisiana 70037
(504) 393-2778

TBC-Brinadd
4800 San Felipe
Houston, Texas 77056
(713) 877-2758

TETRA Technologies, Inc.
24955 I-45 North
The Woodlands, Texas 77380
(281) 367-1983

Turbo-Chem International Inc.
(337) 235-3098
dawn@turbochem.com
P.O. Box 60383
Lafayette, Louisiana 70596

PRODUCT NAME	DESCRIPTION	Dispersed	Nondispersed	Saturated Salt	Fresh Water	Oil-Based	Synthetic Fluid	Normal Concentration Usage (lbs/bbl)	HOCNF Classification	PLONOR Listing Available	Passed LC50 Test
BACTERICIDES											
ASAP FLUIDS											
ASAP BIO AM	Amine based Biocide	•	•	•	•			0.4-1.0			
ASAP CIDE	EPA approved biocide	•	•	•	•			0.2-0.5			
ASAP BIO AL	Gulteradhyde	•	•	•	•			0.4-1.0			
BASF											
Myacide GA 25 (US only)	Glutaraldehyde 25% sol.	•	•	•	•			0.2-0.5			
Myacide GA 50 (US only)	Glutaraldehyde 50% sol.	•	•	•	•			0.1-0.25			
Protectol GA 25	Glutaraldehyde 25% sol.	•	•	•	•			0.2-0.5			
Protectol GA 50	Glutaraldehyde 50% sol.	•	•	•	•			0.1-0.25			
BAKER HUGHES											
MIL-BIO NS	Broad spectrum biocide for North Sea	•	•	•	•			0.1-.03% vol	Y		
MIL-BIO SEA 98	Broad spectrum biocide	•	•	•	•			15-25 lb/100 bbl			
X-CIDE SERIES	Biocide series	•	•	•	•			Varies			
CHEMTOTAL											
CHEMCIDE-I	Glutaraldehyde	•	•	•	•	•		0.2-0.5	Y	N	Y
DEEP SOUTH CHEMICAL											
BF-30	Thiocarbamate bacteriacide	•	•	•	•			55 gal/100 bbl			
BIO 3	High molecular filming amines			•	•			55 gal/150 bbl			
CIDE	Blended organic sulfur antimicrobial agent	•	•		•			5 gal/100 bbl			
DRILLSAFE JANEL											
DS-501E	Bacteriacide and filming corrosion inhibitor	•	•	•	•	•		0.01-0.02			
DSB-301	Biodegradable ammonium compound	•	•	•	•			0.02-0.2			
DSB-302	Biodegradable ammonium compound	•	•	•	•	•		0.01-0.2			
DSB-324	Isothiazolin-based compound	•	•	•	•			0.005-0.02			
ELGIN SEPARATION SOLUTIONS											
K CIDE	Biocide	•	•	•	•						
GLOBAL AM-TX											
GLOCIDE 1000					•						
GUMPRO											
GEL BIO AM	Amine based Biocide	•	•	•	•			0.4-1.0			Y
GEL CIDE	EPA approved biocide	•	•	•	•			0.2-0.5			Y
GEL BIO AL	Gulteradhyde	•	•	•	•			0.4-1.0			Y
LAMBERTI SPA											
CARBOSAN EF	Triazine based, general purpose	•	•	•	•			.01-2			
CARBOSAN 135/TR	Triazine based, concentrated	•	•	•	•			.01-2			
MAYCO WELLCHEM											
MAYCO CORCIDE	Bacteriacide, corrosion inhibitor	•	•	•	•			0.2-0.5			
NOV FLUIDCONTROL											
AQUCAR GA25	Bacteriacide	•	•	•	•			0.05			Y
X-Cide 102	liquid glutaraldehyde based bactericide	•	•	•	•			.005			Y
X-Cide 207	Granular chloromethylisothlazolone / methyl isothiazolone microbiocide	•	•	•	•			0.0175			Y
QMAX											
QCIDE	Glutaraldehyde bactericide	•	•	•	•			0.2 - 1			
QCIDE A	Alkyl Benzyl Dimethyl Ammonium Chloride Biocide	•	•	•	•			0.2 - 0.5			
QCIDE T	Triazine based biocide	•	•	•	•			0.2 - 0.5			
QUARON N.V.											
MC GLUT - 10	Glutaraldehyde 10% sol.	•	•	•	•			0.4-0.6			
MC GLUT - 24	Glutaraldehyde 24% sol.	•	•	•	•			0.2-0.5			
TETRA TECHNOLOGIES, INC.											
TETRACide G (Spec-Cide 50)	Antimicrobial			•	•						
COMPLETION FLUIDS, CLEAR FLUIDS, BRINES											
ADM EVOLUTION CHEMICALS											
OPTIXAN D	Dispersed Xathan gum biopolymer	•	•	•	•			0.25-2.0			Y
OPTIXAN DT	Clarified Dispersed Xathan gum biopolymer	•	•	•	•			0.25-2.0			Y
OPTIXAN	Xanthan Gum biopolymer	•	•	•	•			0.25-2.0			Y
OPTIXAN FG	Xanthan Gum biopolymer	•	•	•	•			0.25-2.0			Y
OPTIXAN T	Transparent Disp Xathan gum biopolymer	•	•	•	•			0.25-2.0			Y
ASAP FLUIDS											
ASAP HEC / HEC	Hydroxy Ethyl Cellulose			•				0.5-4.0			Y
ASAP NOX	Ammonium Bisulphite							1-2			Y
ASAP NOX SF	Liquid Oxygen Scavenger Sulphur Free	•	•	•	•						Y
ASAP HIB	Corrosion Inhibitor for Heavy Brine							1-2			Y
SODIUM CHLORIDE	Sodium Chloride										Y
CALCIUM CHLORIDE	Calcium chloride										Y
SODIUM BROMIDE	Sodium Bromide										Y
CALCIUM BROMIDE	Calcium Bromide										Y
ZINC BROMIDE	Zinc Bromide										Y
POTASSIUM FORMATE	Potassium Formate										Y
SODIUM FORMATE	Sodium Formate										Y
CESIUM FORMATE	Cesium Formate										Y
BASF											
Alcomer 120B	Shale Inhibitor / Viscosifier for water-based mud				•						
Alcomer 130	Viscosifier for water-based mud				•						
BAKER HUGHES											
AMMONIUM CHLORIDE	NH4Cl - ammonium chloride			•	•			8.4-9.5 lb/gal	Y	Y	
HYCAL I	Calcium chloride solution to 11.6 ppg			•				Varies	Y	Y	
HYCAL II	Calcium chloride/bromide sol. to 15.1 ppg			•				Varies	Y	Y	
HYCAL II SB	Calcium bromide solution to 15.3 ppg			•				Varies	Y	Y	
HYCAL III	Calcium chloride/calcium bromide/zinc-bromide solution to 19.2 ppg			•				Varies	Y		
HYCAL III SB	Calcium bromide/zinc bromide solution to 19.2 ppg			•				Varies	Y		
NOCAL I	Sodium chloride solution to 10.0 ppg			•				Varies	Y	Y	
NOCAL II	Sodium chloride/bromide sol. to 12.8 ppg			•				Varies	Y	Y	
NOCAL II SB	Sodium bromide solution to 12.8 ppg			•				Varies	Y	Y	
NOCAL BR FRAC BRINE	Sodium bromide solution to 12.5 ppg			•				Varies	Y	Y	
NOCAL K	Potassium chloride solution to 9.7 ppg			•				Varies	Y	Y	
POTASSIUM FORMATE	Potassium formate brines to 13.3 ppg			•				Varies	Y	Y	
SODIUM FORMATE	Sodium formate brines to 11.0 ppg			•				Varies	Y	Y	
CHEMSTAR PRODUCTS											
EXSTAR	Modified corn starch for temp.	•	•	•	•			2-6			Y
HYDROSTAR	Pegel starch for temp. and hardness	•	•	•	•						
STARPAK	Highly derivatized starch ether	•	•	•	•			2-5			Y
STARPAK DP	Multi-derivatized starch ether	•	•	•	•			2-5			Y
STARPAK II	A complex variation of STARPAK	•	•	•	•			2-5			Y
DEEP SOUTH CHEMICAL											
ARDS 4620	Non-ionic surfactants and alcohols				•	•	•				
ARDS 9125	Non-ionic surfactants and alcohols				•	•	•				
ARDS 9755	Non-ionic surfactants and alcohols				•	•	•				
ARDS 9846	Mixture of alcohols				•	•	•				
BIO SOLV	Non-terpene OBM and SBM displacement					•	•				
BP 101	A mixture of solvents					•	•				
DSC HEC	Non-ionic pure hydroxyethyl cellulose			•	•			0.5-3			
GOLD CLEAN	Surface cleaner					•	•				
GOLD FLUSH	Tubing cleaner & pipe pickle					•	•				
GOLD FLUSH CM	Cement additive & cake removal						•				
GOLD FLUSH II	OBM & SBM displacement chemical					•	•				
GOLD FLUSH SA	Stimulation additive & cake removal					•	•				
GOLD FLUSH SB	OBM & SBM displacement chemical					•	•				
GOLD SURF	OBM & SBM displacement chemical					•	•				
GOLD SURF II	OBM & SBM displacement chemical					•	•				
GOLD SURF C	Cement additive & cake removal					•	•				
GOLD SURF S	Stimulation additive & cake removal					•	•				
GOLD VIS	Polymer viscosifier for Gold Flush					•	•				
HYDRO MAG	pH buffer fresh & brine waters			•	•			0.1-0.3			
INSOL	Aphaltene inhibitor & dispersent			•	•			As needed			
LIQUID GUAR E	Liquid viscosifiers using ummodified guar			•	•			0.04			Y
DSC HEC Linear Gel	Hydroxyethyl cellulose polymer			•	•			0.5-3			
DSC HEC Linear Gel E	Hydroxyethyl cellulose polymer			•	•			0.5-3			Y
DSC Liquid XA-E Polymer	Xanathan biopolymer							1-2.5			Y
DSC Liquid Spacer Vis Polymer	High molecular weight biopolymer							1-2.5			Y
PH HIGH	Elevate pH fresh & brine water			•	•			0.1			
PH LOW	Solution to lower pH fresh/brines			•	•			0.5 gpb			
DSC HEC Linear Gel EXTENDER 75	Enhances thermal stability of HEC			•	•			0.3-0.4 gal/bbl			
SI 120	Prevents depositions of alkaline earth metal scales			•	•			As needed			
SLICK 5	Surfactants to disperse floating oil				•						

PRODUCT NAME	DESCRIPTION	Dispersed	Nondispersed	Saturated Salt	Fresh Water	Oil-Based	Synthetic Fluid	Normal Concentration Usage (lbs/bbl)	HOCNF Classification	PLONOR Listing Available	Passed LC50 Test
SODA ASH	Remove calcium from sodium base brines			•				As needed			
WELL WASH I	Water-base displacement chemical	•	•	•	•						
WELL WASH II	Water-base displacement chemical	•	•	•	•						
DRILLING SPECIALTIES CO.											
DRILLZAN D BIOPOLYMER	Economical high viscosity biopolymer	•	•	•	•			0.25-2.0		Y	Y
DRISPAC PLUS REGULAR	Dispersable HV polyanionic cellulose	•	•	•	•			0.25-2.5		Y	Y
DRISPAC PLUS SUPERLO	Dispersable LV polyanionic cellulose	•	•	•	•			0.25-2.5		Y	Y
DRISPAC REGULAR POLYMER	High viscosity polyanionic cellulose	•	•	•	•			0.25-2.5		Y	Y
DRISPAC SUPERLO POLYMER	Low viscosity polyanionic cellulose	•	•	•	•			0.25-2.5		Y	Y
DRILLPAC HV POLYMER	High viscosity polyanionic cellulose	•	•	•	•			0.25-2.5		Y	Y
DRILLPAC LV POLYMER	Low viscosity polyanionic cellulose	•	•	•	•			0.25-2.5		Y	Y
FLOWZAN BIOPOLYMER	High viscosity biopolymer	•	•	•	•			0.25-2.0		Y	Y
LIQUID HE 150 POLYMER	Brine viscosifier in a mineral oil carrier fluid	•	•	•	•			2.0-10.0		Y	N
HE 150 POLYMER	Brine viscosifier dry powder	•	•	•	•			1.0-5.0		Y	Y
HE 300 POLYMER	High temp. brine viscosifier	•	•	•	•			2.0-5.0	E	Y	Y
HE 400 POLYMER	High temp. brine viscosifier	•	•	•	•			2.0-5.0		Y	Y
LIQUID DRISPAC POLYMER	High viscosity polyanionic cellulose	•	•	•	•			0.5-5.0		Y	N
LIQUID FLOWZAN BIOPOLYMER	High viscosity biopolymer	•	•	•	•			0.5-4.0		Y	N
LIQUID HEC POLYMER	High viscosity pure hydroxyethyl cellulosic polymer	•	•	•	•			0.5-5.0		Y	N
ECO FLUIDS											
ECOFLUID	Well wash	•	•	•	•	•	•	1:5 w/ water			Y
ECO-CORR	Corrosion Inhibitor	•	•	•	•			1:3 w/water			
ELGIN SEPARATION SOLUTIONS											
KEM-VIS HS	Polyacrylamide, Emulsion, w/AMPS	•	•	•	•			0.25-2			
EMERY											
TERRADRIL S 853 B	Surfactant blend, cleaner					•	•	6			
TERRADRIL S 809	Surfactant blend, cleaner					•	•	6			
TERRADRIL S 1118	Surfactant blend, cleaner					•	•	6			
TERRADRIL S 1310	Surfactant/solvent blend, cleaner					•	•	6			
TERRADRIL S 1053	Surfactant blend, cleaner					•	•	6			
FLUID ENERGY GROUP LTD.											
HCR-2000N	Modified acid, scale remover							50-100%	Y		Y
HCR-3000	Modified acid, Chloride free							50-100%	Y		Y
HCR-6000	Modified acid, Well stimulation (WS)							90%	Y		Y
HCR-7000	Modified acid, WS/Scale							50-100%	Y		Y
BSD-40N	Sulfate scale dissolver							100%	Y		Y
GLOBAL AM-TX											
CHLORIDE	Brines				•						
BROMIDE	Brines				•						
FORMATE	Brines				•						
GLO PACKER FLUIDS	Completion Fluids				•	•	•				
GUMPRO											
GEL HEC / HEC	Hydroxy Ethyl Cellulose			•				0.5-4.0			Y
GEL NOX	Ammonium Bisulphite	•	•	•	•			1-2			Y
GEL NOX SF	Liquid Oxygen Scavenger Sulphur Free	•	•	•	•						Y
GEL HIB	Corrosion Inhibitor for Heavy Brine							1-2			Y
SODIUM CHLORIDE	Sodium Chloride										Y
CALCIUM CHLORIDE	Calcium Chloride										Y
SODIUM BROMIDE	Sodium Bromide										Y
CALCIUM BROMIDE	Calcium Bromide										Y
ZINC BROMIDE	Zinc Bromide										Y
POTASSIUM FORMATE	Potassium Formate										Y
SODIUM FORMATE	Sodium Formate										Y
CESIUM FORMATE	Cesium Formate										Y
IMPACT FLUID SOLUTIONS											
STAR HIB PLUS	Shale Control/Clay Inhibitor - Low Conductivity	•	•	•	•			2% - 5%	Y		Y
STAR HIB SF	Shale Control/Clay Inhibitor - Chloride free	•	•	•	•			2% - 5%	Y		Y
KELCO OIL FIELD GROUP											
CELPOL ESL	Poly anionic cellulose extreme low viscosity	•	•	•	•			0.25-2		Y	Y
CELPOL R	Poly anionic cellulose HV	•	•	•	•			0.25-2		Y	Y
CELPOL RX	Supreme poly anionic cellulose HV	•	•	•	•			0.25-2		Y	Y
CELPOL SL	Poly anionic cellulose LV	•	•	•	•			0.25-2		Y	Y
CELPOL SLX	Supreme poly anionic cellulose LV	•	•	•	•			0.25-2		Y	Y
FINNFIX H	CMC high viscosity pure	•	•	•	•			0.2-3		Y	Y
FINNFIX HC	CMC extra high viscocity technical	•	•	•	•			1-3		Y	Y
FINNFIX L	CMC low viscosity pure	•	•	•	•			0.2-3		Y	Y
FINNFIX LC	CMC low viscosity technical	•	•	•	•			2-3		Y	Y
FINNFIX RC	CMC high viscosity technical	•	•	•	•			1-3		Y	Y
KELZAN XC POLYMER	Xanthan gum biopolymer	•	•	•	•			0.75/2		Y	Y
KELZAN XCD POLYMER	Dispersible Xanthan biopolymer	•	•	•	•			0.75/2		Y	Y
XANVIS POLYMER	Clarified Xanthan biopolymer	•	•	•	•			0.75/2		Y	Y
XANVIS L	Refined clarified liquid Xanthan slurry	•	•	•	•			0.75/2			Y
LAMBERTI SPA											
ALBISOL AT	Effective cleaner/spacer	•	•	•	•	•	•	2-10%			Y
ALBISOL CLEAN	Solvent/surfactant cleaner for OBM	•	•	•	•	•	•	3-15%			Y
ALBISOL DM	Effective washer/spacer	•	•	•	•	•	•	2-10%			
ALBISOL K100	Cleaner/Spacer for grease residues	•	•	•	•	•	•	2-10%			
ALBISOL MCS	Effective washer/spacer	•	•	•	•	•	•	2-10%			
ALBISOL OE	Solvent based pipe cleaner					•		2-10%			
BIOLAM XG	Xanthan derivative polymeric viscosifier	•	•	•	•			0.25-2		Y	Y
BIOLAM XG LS	Liquid xanthan viscosifier	•	•	•	•			0.25-2			Y
CARBOSAN EF	Triazine based, general purpose biocide	•	•	•	•			0.01-2			
CARBOSAN 135/TR	Triazine based, concentrated biocide	•	•	•	•			0.01-2			
INICOR C4	Phosphate based corrosion inhibitor for completion	•	•	•	•			1	Gold		Y
INICOR W303	Amine based, water soluble	•	•	•	•			0.1- 3			
INICOR W481	Water soluble CO for brine	•	•	•	•			0.01-0.3			
INICOR W882	Corrosion inhibitor Organo-phosphate	•	•	•	•			0.1- 3	Y		Y
LAMOX TR	Organic, water soluble H2S scavenger	•	•	•	•			.1-.2			
LAMOX NA	Oxigen scavengers for sodium and potassium brines	•	•	•	•			.1-.2			
LUBRICANT EHB	Environmental friendly lubricant for heavy brines	•	•	•	•			0.5- 5			Y
LUBRICANT CBR 600	Environmentally friendly brine soluble	•	•	•	•			0.5- 5	Y		Y
LAMBERTI USA											
ALBISOL OE	Solvent based pipe cleaner	•	•	•	•	•	•	1-8			
INICOR W303	Water soluble corrosion inhibitor	•	•	•	•			0.1-0.3			
LIQUID CASING											
LIQUID CASING	Polycrystalline	•	•	•	•	•	•	8			Y
LIQUID CASING II	Polycrystalline	•	•	•	•	•	•	6			Y
O-M SEAL	Polycrystalline	•	•	•	•	•	•	50			Y
WORKOVER 2000	Non-damaging polymers			•	•			2			Y
M-I SWACO											
BAR-NONE	Barium Scale remover			•	•				YELLOW 1		
DOWFROST MI	Insulating packer fluid for deepwater			•	•			System			
FLOW-BAK	Non-Ionic Surfactant - Flowback Enhancer			•	•			0.1-1.0vol%			
ISOTHERM NT	Oil-base insulating packer fluids					•	•	System			
SAFE-BREAK 611	Non-emulsifier			•				0.1-2%			
SAFE-BREAK Prime	Brine emulsion preventer			•				0.1-1.0%			
SAFE-BREAK CBF	Emulsion preventer for brine			•				0.1-1.0%			
SAFETHERM	Water based insulating packer fluid		•	•				System			
MONTELLO											
MON PAC	Polyanionic cellulose	•	•	•	•			0.25-2			Y
MON PAC ULTRA LO	Polyanionic cellulose	•	•	•	•			0.25-2			Y
NEWPARK FLUIDS SYSTEMS											
ATTRACT	Fluid conditioner for coiled tubing		•	•				0.25-3			
CONNECT	Viscosifier for coiled tubing		•	•				0.5-3.5			
CONVECT	pH buffer and temperature extender for coiled tubing		•	•				1.75-3.5			
DEFLECT	Friction reducer for coiled tubing		•	•				.2-2			
DIRECT	Metal-on metal lubricant for coiled tubing		•	•				3-18			
TrueClean Plus	Combination of solvent & surfactant blend for WBCU with SBM						•	5-20% v/v			
TrueSolv	Solvent for SBM & pipe dope removal during WBCU						•	5 minute contact time			
TrueClean	Combination of solvent & surfactant blend for WBCU with SBM						•	5-20% v/v			
TrueSurf	Surfactant for WBM & pipe dope removal during WBCU						•	2-5% v/v			
TrueSolv Plus	Pipe dope solvent						•	4-6 minutes contact time			
TrueZan L	Liquidifed xanthan gum, non-clarified for viscosity control						•	0.25-1.0 gal/bbl			
TrueZan LC	Liquidifed xanthan gum, clarified for viscosity control						•	0.25-1.0 gal/bbl			

PRODUCT NAME	DESCRIPTION	Dispersed	Nondispersed	Saturated Salt	Fresh Water	Oil-Based	Synthetic Fluid	Normal Concentration Usage (lbs/bbl)	HOCNF Classification	PLONOR Listing Available	Passed LC50 Test
TrueCell	Liquid HEC (meets oil & grease standards)						•	0.25-1.0 gal/bbl			
TrueCell HD	Liquid HEC for high density brines						•	0.25-1.0 gal/bbl			
TrueCor	Organic amine corrosion inhibitor						•	55 gal/100 bbl			
TrueCor P	Phosphonate based corrosion inhibitor										
TrueScav HD	Sulphur-free oxygen scavenger							0.1-0.15 lb/bbl			
TrueScav HS	Zinc-free, brine soluble H2S scavenger							1 gal/100 bbl			
TrueScav L	Oxygen scavenger for sodium and potassium brines							1 gal/100 bbl			
TrueHalt	Emulsion preventer for calcium-based brines							0.1-1.0% v/v			
TrueHalt Z	Emulsion preventer for zinc-based brines							0.1-1.0% v/v			
TrueDefoam	Defoamer for brine systems							as needed			
TrueFloc	Flocculant for use in displacement operations							1-2% v/v			
TrueFloc Plus	Iron and color remover							as needed			
TrueCarb	Ground marble bridging additive, range of particle size							as required			
NOV FLUIDCONTROL											
SCRUB-IT	Displacement chemical (solvent)					•	•	As needed			
COR-CHEK AFW	Water dispersible corrosion inhibitor filming amine	•			•			21 gal/100bbl to 45gal/100bbl			
COR-CHEK H2S	Hydrogen sulfide scavenger	•	•	•	•			55 gal per 1000 bbl			
COR-CHEK XL	Oil dispersible modified amine corrosion inhibitor	•	•	•	•			55 gal/100 bbl			
COR-CHEK O2	Oxygen scavenger	•	•	•	•			0.1 to 0.5 lbs/bbl			
ENVIRO-SLIK	Pipe-on-pipe lubricant for brines	•	•	•	•			1% to 3% by volume			
FOAM-OUT S	Premium silicone based defoamer	•	•	•	•			0.25 to 1 %			
FOAM-OUT B	Defoamer for brines	•	•	•	•			0.25 to 1 %			
HEC-LINK 11	HEC gel fluid loss control additive			•	•			As needed			
HEC-LINK 14	HEC gel fluid loss control additive			•	•			As needed			
HEC-VIS L	Liquic HEC viscosifier			•	•			0.25-4			
INHIBI-TEMP CT	Concentrated, reduced toxicity clay stabilizer, KCl substitute	•	•	•	•			2 to 4 gpt			
INHIBI-TEMP T	Temporary clay stabilizer, KCl substitute	•	•	•	•			1 to 4 gpt			
INHIBI-TEMP C	Biodegradable, organic clay stabilizer	•	•	•	•			2 to 10 gpt			
Magnesium Oxide	pH buffer for freshwater and brines	•		•				0.2			
NOV CARB	Ground and sized calcium carbonate	•	•	•	•	•	•	As needed			
NOV XAN D	Dispersable xanthan powder	•	•	•	•			0.25-4			
NOV XAN L	Xanthan dispersion	•	•	•	•			0.25-4			
NOV XAN C	Clarified xanthan gum	•	•	•	•			0.25-4			
PERMA-HIB	Permanent clay stabilizer	•		•	•			0.05 to 1%			
PERM-CON	Surface tension reducing completion brine surfactant			•	•			0.01% to 0.1%			
PRO-GUARD Ca2+	Organic oxygen scavenger for divalent brines	•	•	•	•			15 lbs/100bbl			
PRO-GUARD O2	Oxygen scavenger, powder			•	•			5 gal/100bbl			
STRES-FREE	Fiction reducer for brines and freshwater			•	•			0.5 to 2 gallons per 1000 gallons			
TRU-FLUSH	Well wash for seawater and high density brines containing divalents.			•	•	•	•	55 gal/100 bbl			
TRU-FLUSH A	Well wash without breaker					•	•	55 gal/100 bbl			
TRU-FLUSH ECO	Well wash in turpene carrier					•	•	55 gal/100 bbl			
OLEON N.V.											
RADIAGREEN CLO	Stimulation additive and mud cake breaker					•	•	As needed			
RADIAGREEN CLW	Cased hole cleaner	•	•	•		•	•	As needed			
RADIAGREEN EME SALT	Lubricant for heavy brines	•	•	•				0.5 - 3%	Y	N	Y
RADIAGREEN RA	Reservoir enhancer	•	•	•	•			0.5 - 1%	Y	N	
POLYGLYCEROL	Shale inhibitor	•	•	•	•					Y	
PRIME ECO GROUP, INC.											
DTS-2002	Polyalcohol no cloud point	•	•	•	•			3%-10%		Y	Y
SKL-100	Environmental substitute for KCL	•	•	•	•	•		1-4			Y
QMAX											
HEC	Hydroxyethil cellulose		•	•	•			0.5 - 1.5			
HEC L	Liquid Hydroxyethil cellulose		•	•	•			1.5 - 3.0			
MAXBREAK S	Enzyme type breaker	•	•	•	•			As needed			
MAXKLEEN	Aqueous blend of surface-active agents		•	•	•			0.1 - 0.2			
MMO FLR	Filtrate reducer for DRILSMOOTH system		•		•			2 - 6			
PERFORMANCE P	Potassium formate-based clear drilling fluid		•		•			As needed			

PRODUCT NAME	DESCRIPTION	Dispersed	Nondispersed	Saturated Salt	Fresh Water	Oil-Based	Synthetic Fluid	Normal Concentration Usage (lbs/bbl)	HOCNF Classification	PLONOR Listing Available	Passed LC50 Test
PERFORMANCE S	Sodium formate-based clear drilling fluid		•		•			As needed			
PERFORMANCE SP	Blend of sodium and potassium formate clear drilling fluid		•		•			As needed			
QBREAK	Viscosity and Filter cake breaker fluid	•	•	•	•			1 - 2.5			
QBREAK O	Filter cake breaker for NAF					•	•	10 - 30%			
QCLEAN	Solvent	•	•	•	•			9 - 30			
QMAXBREAK	Filter cake breaker fluid for WBM	•	•	•	•			25 - 30			
QMAXBREAK A	Acid generator for QMAXBREAK system	•	•	•	•			As needed			
QMAXBREAK S	Starch enzyme for QMAXBREAK system	•	•	•	•			As needed			
QMAXBREAK X	Xanthan enzyme for QMAXBREAK system	•	•	•	•			As needed			
QMAXCOAT	Filming amine	•	•	•	•			0.5 - 5			
QMAXCOAT O	Oil soluble imidazoline based film forming corrosion inhibitor	•	•	•	•			0.5 - 1.5			
QMAXCOR P	General purpose phosphorus based corrosion inhibitor	•	•	•	•			1 - 2			
QMAXSURF W	Surfactant used for displacing WBM	•	•	•	•			0.5 - 3			
QNCa	Calcium Nitrate-based drilling fluid	•	•		•			As needed			
QSCAV H2S	Organic H2S scavenger	•	•	•	•			1 - 3			
QSCAV O2	Oxygen scavenger	•	•	•	•			0.5 - 1			
QSEAL L	Liquid Synthetic Polymer - LCM - Designed for brines	•	•	•	•			2 - 5			
QSTAR ENV	Biopolymer	•	•	•	•			2 - 6			Y
QSTAR HT	Biopolymer - HT applications	•	•	•	•			2 - 6			Y
QXAN L	Liquid Xanthan gum	•	•	•	•			0.5 - 2			Y
QXAN XCD	Clarified dispersible xanthan gum	•	•	•	•			0.25 - 1.5			Y
SOLMAX	Mutual solvent	•	•	•	•			2 - 10%			
WELLKLEEN	Surfactant to displace NAF		•	•	•			3 - 10%			
QUARON N.V.											
DPI CBS	Calc,barium,strontium sulphate dissolver			•	•						
MC CE-FORMATE	Cesium formate			•	•						
MC FVIS	Solids free fluidloss additive/viscosifier	•	•	•	•			3-6			
MC HEC	Hydroxy ethyl cellulose polymer	•	•	•	•			1-3			
MC K-FORMATE	Potassium formate		•	•	•						
MC ZAN XL	Liquid xanthan gum polymer			•	•						
MC ZAN XN	Shear thinning viscosifier	•	•	•	•			0.25-2			
MC ZAN XT	Shear thinning viscosifier temp.stable	•	•	•	•			0.25-2			
SUN SPECIALTY PRODUCTS											
EZE-SLIDE	Synthetic Lubricant	•	•	•	•			1-2%	Y		
LIQUI-BEADS	Liquid and mechanical lubricant	•	•	•	•			1-2%	Y		
LUBRA-GLIDE	Mechanical solid spherical lubricant	•	•	•	•	•	•	4-6 lb/bbl	Y		
TBC-BRINADD											
CIB	Corrosion inhibitor		•	•	•			0.25 gal/bbl			
TETRA TECHNOLOGIES, INC.											
ACETIC ACID	Mild organic acid			•	•						
BUFF-10	Controlled sloubility MgO - buffer pH			•	•						
BUFF-6	Organic carboxylic acid - to buffer pH to moderate acid			•	•						
CALCIUM BROMIDE - LIQUID	Calcium bromide (11.7 - 15.1 lb/gal)			•							
CALCIUM CHLORIDE - LIQUID	Calcium chloride (8.4 - 11.6 lb/gal)			•							
CAUSTIC SODA	Base			•	•						
CITRIC ACID	Complex organic acid			•	•						
POTASSIUM FORMATE - LIQUID (HCOOK)	Potassium formate (8.4 - 13.1 lb/gal)			•							
SODIUM FORMATE - LIQUID (HCOONa)	Sodium formate (8.4 - 11.1 lb/gal)			•							
HYDROCHLORIC ACID	Strong mineral acid			•	•						
POTASSIUM CHLORIDE - LIQUID (KCl)	Potassium chloride (8.4 - 9.7 lb/gal)			•							
LIME	Base			•	•						
MAGNESIUM OXIDE	Base			•	•						
SODIUM CHLORIDE - LIQUID (NACl)	Sodium Chloride (8.4 - 10.0 lb/gal)			•							
AMMONIUM CHLORIDE (NH4CL)	Ammonium chloride, 99%			•							
CAUSTIC POTASH (POTASSIUM HYDROXIDE)	Base			•	•						
SODA ASH (SODIUM CARBONATE)	High purity anhydrous sodium carbonate			•	•						
SODIUM BROMIDE	Sodium bromide (8.4 - 12.7 lb/gal)			•							
CALCIUM/ZINC BROMIDE SOLUTION	Two-salt, calcium/zinc bromide solution (14.5 - 20.5 lb/gal)			•							

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CALCIUM/ZINC CHLORIDE/BROMIDE SOLUTION	Three-salt, calcium/zinc chloride/bromide solution (14.5 - 19.2 lb/gal)			•							
TETRA CS NEPTUNE - MONOVALENT	Monovalent high-density, solids-free, zinc-free, and formate free fluid			•							
TETRA CS NEPTUNE - DIVALENT	Divalent high-density, solids-free, zinc-free, and formate free fluid			•							
TETRA PROTEUS	Component of the TETRA CS Neptune System			•							
TETRA GALATEA	Component of the TETRA CS Neptune System										
TURBO-CHEM INTERNATIONAL											
EZ SQUEEZE	High solids, high fluid loss squeeze	•	•	•	•	•	•	32-100 ppb			Y
PREMIUM SEAL	Cellulose fiber (fine and coarse)	•	•	•	•	•	•	4-6			Y
SWELLCM	Gelled, swelling, sealing agent	•	•	•	•	•	•	10 ppb			Y
SWELLCM ACTIVATOR	Crystals used to adjust pH of water when mixing SwelLCM	•	•	•	•			2 ppb			Y
CORROSION INHIBITORS											
ASAP FLUIDS											
ASAP CI	Drilling Mud corrosion inhibitor	•	•	•	•			1-2			•
ASAP CI-A	Film Forming Organic Amine	•	•	•	•			1-2			•
ASAP CI-P	Organophosphorous Compound	•	•	•	•			1-2			•
ZINC CARBONATE	H2S scavenger	•	•	•	•			2-3			•
BASF											
Basocorr AM											
Basocorr PP	Propargyalcohol Alkoxylates	•	•	•	•						
Basocorr PA	Propargyl alcohol										
Basocorr ETO											
Basocorr ME	2-mercaptoethanol										
BAKER HUGHES											
AMI-TEC	Filming-type corrosion inhibitor							Varies			
BRINE-PAC 1500	Corrosion inhibitor for low-to-no solids brines			•	•			55 gal/100 bbl			
BRINE-PAC 250	Corrosion ihibitor for brine-based packer fluids			•	•			10-15 gal/100 bbl			
BRINE-PAC 3N1	All-in-one corrosion inhibitor, oxygen scavenger, biocide			•	•			28-35 gal/100 bbl			
BRINE-PAC XTS	Corrosion Inhibitor for solids-free fluids			•	•			12 gal/100 bbl	Y		
KLARO SCAV NZ1	Liquid zinc-free hydrogen sulfide scavenger			•	•			0.3% vol			
KLARO SCAV NZ2	Zinc-free hydrogen sulfide scavenger			•	•			0.5% vol			
MIL-GARD	Corrosion Inhibitor	•	•	•	•	•		1-3 ppb			Y
MIL-GARD L	Zinc chelated sulfide scavenger	•	•	•	•	•	•	5.5 gal/100 bbl			
MIL-GARD XPR	Hydrogen sulphide scavenger suitable for North Sea operations	•	•	•	•	•	•	Varies	Y		
MIL-GARD FE	Liquid hydrogen sulphide scavenger based on soluble iron chemistry	•	•	•	•			0.05 gal/bbl			
NOXYGEN L	Liquid oxygen scavenger	•	•	•	•			75 to 125 ppm	Y	Y	Y
NOXYGEN NA	Sodium bisulfite oxygen scavenger			•	•			250 ppm	Y	Y	
NOXYGEN XT	Organic oxygen scavenger			•	•			As needed	Y		
OHR AC	Acid corrosion control for the MICROWASH System							0.75-1% vol			
OHR GACI	Acid corrosion control for MICRO-WASH applications in environmentally sensitive areas							0.5-2% vol	Y		
CRODA											
PRIPOL 1017	Dimer fatty acid					•	•	0.05-1.0%			
PRIPOL 1029	Dimer fatty acid					•	•	0.05-1.0%			
PRIPOL 1040	Trimer fatty acid					•	•	0.05-1.0%			
PRIPOL 1045	Dimer/Trimer fatty acid					•	•	0.05-1.0%			
Crodafos O4A	Corrosion inhibitor for water-based systems	•	•		•			0.05-1.0%			
Crodafos T5A	Corrosion inhibitor for water-based systems	•	•		•			0.05-1.0%			
Multitrope 1214	Corrosion inhibitor for water-based systems	•	•		•			0.05-1.0%			
Crodazoline O	Corrosion inhibitor for water-based systems	•	•					0.05-1.0%			
Crodasinic O	Corrosion inhibitor for water-based systems	•	•					0.05-1.0%			
Pripol 1013	Dimer acid							0.05-1.0%			
Pripol 1022	Dimer acid							0.05-1.0%			
Pripol 1046	Dimer/trimer acid							0.05-1.0%			
DRILLSAFE JANEL											
DS-403	Water soluble, filming corrosion inhibitor	•	•	•	•			0.02-0.05			
DS-501E	Bacteriacide and filming corrosion inhibitor	•	•	•	•	•		0.01-0.02			
DS-AC3	Acid corrosion inhibitor	•	•	•	•	•		0.01-0.02			
OSC 1	Oxygen scavenger	•	•	•	•			0.01-0.1			
OSC 40	Liquid catalyzed oxygen scavenger	•	•	•	•			0.01-0.05			
FLUID ENERGY GROUP LTD.											
CI-6	North Sea acid corrosion inhibitor							0.5-4%	Y		Y
CI-6e	North Sea acid corrosion inhibitor							0.5-4%	Y		Y
CI-6ec	North Sea acid corrosion inhibitor							0.5-4%	Y		Y
CI-6LV	North Sea acid corrosion inhibitor							0.5-4%	Y		y
CI-1A	Acid corrosion inhibitor aid							0.5-4%	Y	Y	Y
GLOBAL AM-TX											
GO COR 120	Filming amine type corrosion inhibitor utilized in both carbon dioxide and hydrogen sulfide environments				•	•	•				
GO COR 125					•	•	•				
GO COR 153					•	•	•				
GO COR FA	water-soluble filming amine type corrosion inhibitor				•	•	•				
GUMPRO											
GEL CI	Drilling Mud corrosion inhibitor	•	•	•	•			1-2			Y
GEL CI-A	Film Forming Organic Amine	•	•	•	•			1-2			Y
GEL CI-P	Organophosphorous Compound	•	•	•	•			1-2			Y
ZINC CARBONATE	Zinc Carbonate	•	•	•	•			2 - 3			Y
LAMBERTI SPA											
ANTISCALE AC/1	Phosphonate-based scale inhibitor	•	•	•	•			10-1,000 ppm			
ANTISCALE AC/137	Mixed scale inhibitor	•	•	•	•			10-1,000 ppm			
INICOR C4	Phosphate based corrosion inhibitor for completion	•	•	•	•			1	Gold		Y
INICOR W142	Water soluble corrosion inhibitor	•	•	•	•			0.1- 3			
INICOR W303	Amine based, water soluble	•	•	•	•			0.1- 3			
INICOR 027	Oil soluble					•	•	0.1- 3			
INICOR W481	Environmentally friendly, water soluble	•	•	•	•			0.1- 3			Y
INICOR W882	Corrosion inhibitor Organo-phosphate	•	•	•	•			0.1- 3	Y		Y
LAMOX TR	Organic, water soluble H2S scavenger	•	•	•	•			0.1-0.2			
LAMOX NA	Oxigen scavengers for sodium and potassium brines	•	•	•	•			0.1-.2			
LAMBERTI USA											
INICOR IT	Imidazoline based, concentrated	•	•	•	•			0.1-0.3			
INICOR W	Concentrated water soluble	•	•	•	•			0.1-0.3			
INICOR W15	Filming amine	•	•	•	•			0.1-0.3			
MAYCO WELLCHEM											
CIDE-COR	Packer/completion inhibitor/biocide				•	•		0.15			
CIDE-COR-PLUS	Biodegradable inhibitor/biocide for packer fluids/completion				•	•		0.15			
FERRO-SPONGE	Powdered H2S remover				•		•	20			Y
H2 LESS	Liquid H2S remover	•				•		0.3			Y
IRONITE SPONGE	Powdered H2S remover		•			•	•	20			Y
MAYCO CORCIDE	Bacteriacide, corrosion inhibitor	•	•	•	•			0.2-0.5			
MAYCO PH BUFFER	Corrosion inhibitor	•	•	•	•			1-2			
MESUCO-SORB	H2S remover	•	•	•	•			4			Y
OILAID-CI	Corrosion inhibitor (numerous formulations)	•	•	•	•			As needed			
SORB-OX-L	Oxygen scavenger	•		•				0.5			Y
SORB-OX-P	Oxygen scavenger	•	•	•	•			0.2			Y
M-I SWACO											
CONQOR 303A	Brine-soluble filming amine			•				1-4			
CONQOR 404	Organic inhibitor for all WBM	•	•	•	•			0.2-0.5			Y
SULFATREAT DFS	H2S scavenger	•	•	•	•	•	•	20.0			
OS-1L	Sulfite-base oxygen scavenger	•	•	•	•			0.1-0.5			
SAFE-COR	Amine-base corrosion inhibitor			•				0.5-1.0%			
SAFE-COR C	Modified corrosion inhibitor, amine-base for casing			•				0.25-0.5%			
SAFE-COR EN	Amine-base corrosion inhibitor			•				0.05-1.0%	YELLOW		
SAFE-COR HT	Inorganic thiocyanate-base corrosion inhibitor for high-temperature use			•	•			0.04%	YELLOW		
SAFE-SCAV CA	Organic oxygen scavenger for Ca-base brines			•				0.15	YELLOW 1		
SAFE-SCAV HS	Organic H2S scavenger			•				0.1			
SAFE-SCAV HSW	Organic H2S scavenger w/ methanol			•				0.1			Y
SAFE-SCAV NA	Liquid bisulfate-base oxygen scavenger for Na and K brines			•				0.1	GREEN	Y	
SAFE-SCAVITE II	Calcium scale preventer			•				0.15-3			
NEWPARK FLUIDS SYSTEMS											
TrueCor	Organic amine corrosion inhibitor							55 gal/100 bbl			
TrueCor P	Phosphonate based corrosion inhibitor										
CONVECT	pH buffer and temperature extender for coiled tubing		•	•				1.75-3.5			
NEWARMOR	Film-forming amine	•	•	•	•			0.4-1.3			
NEWSTABIL	Fluid stabilizer	•	•	•	•			1.75-3.5			Y
PREVENTION	Divalent corrosion inhibitor			•				1.1-3.8			
PROTECTION	Atmospheric corrosion inhibitor			•				0.1-0.5			

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REACTION	Calcium scale inhibitor			•				0.08-0.2			
REDUCTION	Oxygen scavenger			•				0.2-4			
NOV FLUIDCONTROL											
COR-CHEK AFW	Water dispersible filming amine	•	•	•	•			21 gal/ 100bbl to 45gal/100bbl			Y
COR-CHEK II	Dual action oxygen scavenger and filming amine	•	•	•	•			1 to 10 lbs/bbl			
COR-CHEK III	triple action oxygen scavenger, filming amine, biocide	•	•	•	•			1 to 10 lbs/bbl			
COR-CHEK H2S	Hydrogen sulfide scavenger	•	•	•	•			55 gal per 1000 bbl			
COR-CHEK OP	Premium organo-phosphorus corrosion inhibitor	•	•	•	•			4 gal/100bbl to 10 gal/100bbl			
COR-CHEK O2	Ammonium bisulfite oxygen scavenger/corrosion inhibitor	•	•	•	•			0.1 to 0.5 lbs/bbl			Y
PRO-GUARD Ca2+	Organic oxygen scavenger for divalent brines	•	•	•	•			15 lbs/100bbl			
PRO-GUARD O2	Oxygen scavenger, powder			•	•			5 gal/100bbl			
PRIME ECO GROUP, INC.											
QUICK SLIP	Clay Inhibitor, lubricant,pay zone protector	•	•	•	•	•	•	4-6 ppb			Y
QMAX											
QMAXCOAT	Filming amine	•	•	•	•			4 - 6			
QMAXCOAT O	Oil soluble imidazoline based film forming corrosion inhibitor										
QMAXCOR P	General purpose phosphorus based corrosion inhibitor	•	•	•	•			1 - 2			
QSCAV H2S	H2S scavenger	•	•	•	•			1 - 3			
QSCAV O2	Oxygen scavenger	•	•	•	•			0.5 - 1			
TBC-BRINADD											
CIB	Corrosion inhibitor		•	•	•			0.25 gal/bbl			
TETRA TECHNOLOGIES, INC.											
TETRACide G (Spec-Cide 50)	Antimicrobial			•	•						
CORSAF 16D	Corrosion Inhibitor			•	•						
CORSAF CR-I	Corrosion Inhibitor			•	•						
CORSAF CR-N	Corrosion Inhibitor			•	•						
OXBAN	Oxygen scavenger			•	•						
OXBAN HB	Liquid oxygen scavenger for mid to heavy fluids			•	•						
OXBAN HBS	Solid oxygen scavenger for mid to heavy fluids			•	•						
TETRA CAPHIB	Corrosion Inhibitor, wellhead preservation treatment			•	•						
TETRACO2X	Corrosion inhibitor, pH modifier, CO2 scavenger			•	•						
TETRA H2S SCAVENGER T	H2S Scavenger	•	•	•	•						
TETRA H2S SCAVENGER T GOLD	H2S Scavenger, CEFAS approved	•	•	•	•						
TETRAHIB	Water-soluble, inorganic film former			•	•						
TETRAHIB PLUS	Water-soluble, inorganic film former			•	•						
DEFOAMERS											
ADM EVOLUTION CHEMICALS											
ADM 2100	Low visc "Green" defoamer, emulsifier, lubricity enhancer, wetting agent	•	•	•	•	•	•	0.05-0.25			Y
ASAP FLUIDS											
ASAP DEFOAM ST	Stearate based solid defoamer	•	•	•	•			0.5-2.0			Y
ASAP DEFOAM A	Alcoholic defoamer	•	•	•	•			0.5-2.0			Y
ASAP DEFOAM G	Polyol Based Defoamer	•	•	•	•			0.5-2.0			Y
ASAP DEFOAM S	Silicon based liquid defoamer	•	•	•	•			0.5-2.0			Y
AES DRILLING FLUIDS											
AES DEFOAM A	Alcohol based liquid defoamer for water based fluids	•	•	•	•						
DEFOAMEX SB	Silicone based liquid defoamer for water based fluids	•	•	•	•						
BASF											
Basopur DF 5	Defoamer for well service fluids	•	•	•	•			0.05-0.5			
BAKER HUGHES											
KLARO DEFOAM	Silicone-based defoamer for brines and fresh water			•	•			0.01-0.09% vol			
LD-10	Silicone based defoamer for fresh & saltwater drilling fluids	•	•	•	•			As needed			
LD-8e	North Sea compliant defoamer for water-based fluids	•	•	•	•			As needed			Y
LD-9	Defoamer for both fresh & saltwater drilling fluids	•	•	•	•			As needed			
W.O. DEFOAM	Alcohol-based compound for defoaming water-based fluids	•	•	•	•			0.1 gal/bbl			Y
CRODA											
SYNPERONIC PE/L121	Water soluble defoamer		•	•	•			0.01-2.55%			
Synperonic LF/26	Defoamer	•	•		•			0.01-2.55%			
Synperonic PE/L61	Defoamer	•	•		•			0.01-2.55%			
Synperonic PE/L101	Defoamer	•	•		•			0.01-2.55%			
Synperonic PE/25R2	Defoamer	•	•		•			0.01-2.55%			
Synperonic T/701	Defoamer	•	•		•			0.01-2.55%			
Synperonic NCA810	Defoamer	•	•		•			0.01-2.55%			
DRILLING SPECIALTIES CO.											
DSCO-DEFOAM	Synthetic defoamer	•	•	•	•			0.1-0.2		Y	Y
DRILLSAFE JANEL											
MULTI DF	Fresh and salt mud defoamer	•	•	•	•			0.02-0.2			
MULTI-DFS	Silicone defoamer	•	•	•	•			0.01-0.2			
MULTI-SODF	Silicone defoamer for oil-based fluids					•		0.01-0.2			
ELGIN SEPARATION SOLUTIONS											
K-DEFOAM	Ethylhexanol	•	•	•	•						
GLOBAL AM-TX											
GLO DEFOM A	Alcohol-based defoamer for all water-based muds				•	•	•				
GLO DEFOM S	Silicone-based defoamer for water-based muds				•	•	•				
GLO DEFOM G	High molecular weight poly-glycol utilized in water-based systems				•	•	•				
GUMPRO											
GEL DEFOAM ST	Stearate based solid defoamer	•	•	•	•			0.5-2.0			Y
GEL DEFOAM A	Alcoholic defoamer	•	•	•	•			0.5-2.0			Y
GEL DEFOAM G	Polyol Based Defoamer	•	•	•	•			0.5-2.0			Y
GEL DEFOAM S	Silicon based liquid defoamer	•	•	•	•			0.5-2.0			Y
LAMBERTI SPA											
DEFOMEX	General purpose silicone based defoamer	•	•	•	•			0.05-0.5			
DEFOMEX DR5	Highly concentrate general purpose defoamer	•	•	•	•			0.05-0.5			
DEFOMEX G9	Environmentally friendly for North Sea	•	•	•	•			0.05-0.5			Y
DEFOMEX 42	Long chain hydroxy compound	•	•	•	•			0.05-0.5			
DEFOMEX 200	Non ionic defoamer	•	•	•	•			0.05-0.5			
DEFOMEX 610/L	High M.W. alcohol based	•	•	•	•			0.05-0.5			
DEFOMEX 630	Surfactant based, highly effective	•	•	•	•			0.05-0.5			
LAMBERTI USA											
DEFOMEX EG110	Stearate based defoamer	•	•	•	•			0.05-0.5			
DEFOMEX TA	Alcohol based defoamer	•	•	•	•			0.05-0.5			
DEFOMEX SB	Silicon based defoamer	•	•	•	•			0.05-0.5			
MAYCO WELLCHEM											
MAYCO DEFOAM	Defoamer	•	•	•	•						
M-I SWACO											
DEFOAM-A	Alcohol-base defoamer	•	•	•	•			0.1-0.5			
DEFOAM-X	Liquid low toxicity defoamer	•	•	•	•			0.1-0.5			
DEFOAM NS	All-purpose defoamer	•	•	•	•						
DEFOAM EXTRA	Defoamer for high densty brine/RDF			•				<0.05%			
DEFOAM EXTREME	High performance defoamer			•				<0.05%			
NULLFOAM	Defoamer			•				0.3 gal/bbl	YELLOW		
NEWPARK FLUIDS SYSTEMS											
NOFOAM A PLUS	Alcohol-based	•	•	•	•						
NOFAOM S PLUS	Silicone-based	•	•	•	•						
NOFOAM X	Multifunctional	•	•	•	•						Y
NOV FLUIDCONTROL											
ALUMINUM STEARATE	Inorganic salt based drilling fluid defoamer	•	•	•	•			0.05			
FOAM-OUT A	Alcohol base mud defoamer	•	•	•	•			0.25 to 1%			
FOAM-OUT B	Defoamer for brines	•	•	•	•			0.25 to 1%			
FOAM-OUT S	Silicone based mud defoamer	•	•	•	•			0.25 to 1%			
FOAM-OUT G	Glycol based mud defoamer	•	•	•	•			0.25 to 1%			
QMAX											
QDEFOAM	Organo-silicon based defoamer	•	•	•	•			0.05 - 0.2			
QDEFOAM A	Alcohol-based defoamer	•	•	•	•			0.1 - 0.2			
QDEFOAM G	Glycol-based defoamer	•	•	•	•			0.1 - 0.3			
QDEFOAM S	Silicon-based defoamer	•	•	•	•			0.05 - 0.2			
SETAC CORP.											
FOAM BREAKER	Water-oil emulsion	•	•	•	•			0.25			
SUN SPECIALTY PRODUCTS											
FOAM BUSTER	Defoamer	•	•	•	•			.010 % v/v	Y		Y
TBC-BRINADD											
ANTI-FOAM HD	Defoaming agent		•	•	•			0.012 gal/bbl			
DEFOAM 2	Defoaming agent		•	•	•			0.05 gal/bbl			
TETRA TECHNOLOGIES, INC.											
DEFOAM HB	Defoamer			•	•						
TURBO-CHEM INTERNATIONAL											
TURBO-DEFOAM	Defoamer	•	•	•	•						Y
DRILL-IN FLUIDS											
ADM EVOLUTION CHEMICALS											
OPTIXAN D	Dispersed Xathan gum biopolymer	•	•	•	•			0.25-2.0			Y
OPTIXAN DT	Clarified Dispersed Xathan gum biopolymer	•	•	•	•			0.25-2.0			Y
OPTIXAN	Xanthan Gum biopolymer	•	•	•	•			0.25-2.0			Y
OPTIXAN FG	Xanthan Gum biopolymer	•	•	•	•			0.25-2.0			Y

PRODUCT NAME	DESCRIPTION	Dispersed	Nondispersed	Saturated Salt	Fresh Water	Oil-Based	Synthetic Fluid	Normal Concentration Usage (lbs/bbl)	HOCNF Classification	PLONOR Listing Available	Passed LC50 Test
OPTIXAN T	Transparent Disp Xathan gum biopolymer	•	•	•	•			0.25-2.0			Y
ASAP FLUIDS											
ASAP -R-VIS	Clarified Xanthan Gum	•	•	•	•			0.5 -2.0			Y
ASAP-R-STARCH	Modified Starch	•	•	•	•			2-10			Y
ASAP-R-WHITE	Sizes Ground Marble	•	•	•	•			As per Req.			Y
ASAP-R-LUBE	Non Damaging Lubricant	•	•	•	•			7-11			Y
ASAP-R-BUFFER	pH Buffering Agent	•	•	•	•			1 - 3			Y
BASF											
Basofoam 75	Potassium formate										
BAKER HUGHES											
MICRO-WASH	Invert Emulsion Drill-in Fluid Filter Cake Breaker system					•	•	Varies			
MICRO-WASH DLA	Invert Emulsion Drill-in Fluid Filter Cake Breaker system with improved delay					•	•	Varies			
MPA-50	Micro-prime activator, 50%							Varies			
MUDZYME FB	pH control and buffer for MUDZYME systems without organic acid							0.4 gal/bbl			
MUDZYME S	Enzymes to degrade starch in filter cakes							0.4 gal/bbl			
MUDZYME SA	pH control and buffer for MUDZYME systems with organic acid							0.8-1.7 gal/bbl	Y	Y	
MUDZYME X	Enzymes to degrade xanthan gum in filter cakes							2 gal/bbl			
OMNIFLOW DIF	Invert Emulsion Reservoir Drill-in fluid						•	Varies			
PERFFLOW CM	Water-based Drill-in fluid with customized bridging			•	•			Varies			
PERFFLOW DIF	Single-sack Drill-in fluid			•	•			Varies			
PERFFLOW LD	Low density Drill-In fluid			•	•			Varies			
PERFFLOW FM	Formate-based Drill-in fluid			•	•			Varies			
CHEMSTAR PRODUCTS											
EXSTAR	Modified corn starch for temp.	•	•	•	•			2-6			Y
STARPAK	Highly derivatized starch ether	•	•	•	•			2-5			Y
STARPAK DP	Multi-derivatized starch ether	•	•	•	•			2-5			Y
STARPAK II	A complexed variation of STARPAK	•	•	•	•			2-5			Y
DRILLING SPECIALTIES CO.											
DRILLZAN D BIOPOLYMER	Economical high viscosity biopolymer	•	•	•	•			0.25-2.0		Y	Y
DRISPAC PLUS REGULAR	Dispersable HV polyanionic cellulose	•	•	•	•			0.25-2.5		Y	Y
DRISPAC PLUS SUPERLO	Dispersable LV polyanionic cellulose	•	•	•	•			0.25-2.5		Y	Y
DRISPAC REGULAR POLYMER	High viscosity polyanionic cellulose	•	•	•	•			0.25-2.5		Y	Y
DRISPAC SUPERLO POLYMER	Low viscosity polyanionic cellulose	•	•	•	•			0.25-2.5		Y	Y
DRILLPAC HV POLYMER	High viscosity polyanionic cellulose	•	•	•	•			0.25-2.5		Y	Y
DRILLPAC LV POLYMER	Low viscosity polyanionic cellulose	•	•	•	•			0.25-2.5		Y	Y
FLOWZAN BIOPOLYMER	High viscosity biopolymer	•	•	•	•			0.25-2.0		Y	Y
LIQUID HE 150 POLYMER	Brine viscosifier in a mineral oil carrier fluid	•	•	•	•			2.0-10.0		Y	N
HE 150 POLYMER	Brine viscosifier dry powder	•	•	•	•			1.0-5.0		Y	Y
HE 300 POLYMER	High temp. brine viscosifier	•	•	•	•			2.0-5.0	E	Y	Y
HE 400 POLYMER	High temp. brine viscosifier	•	•	•	•			2.0-5.0		Y	Y
LIQUID DRISPAC POLYMER	High viscosity polyanionic cellulose	•	•	•	•			0.5-4.0		Y	N
LIQUID FLOWZAN BIOPOLYMER	High viscosity biopolymer	•	•	•	•			0.5-4.0		Y	N
LIQUID HEC POLYMER	High viscosity pure hydroxyethyl cellulosic polymer	•	•	•	•			0.5-5.0		Y	N
EMERY											
OMC 586 XL	Environ.friendly carrierfluid, 100% ester						•	As needed			
OMC 233	Environ.friendly carrierfluid, 100% ester						•	As needed			
OMC 1049	Environ.friendly low vis. carrierfluid, 100% ester						•	As needed			
OMC 1000	Environ.friendly carrierfluid, 100% ester						•	As needed			
GUMPRO											
GEL -R-VIS	Clarified Xanthan Gum	•	•	•	•			0.5 -2.0			Y
GEL-R-STARCH	Modified Starch	•	•	•	•			2-10			Y
GEL-R-WHITE	Sizes Ground Marble	•	•	•	•			As per Req.			Y
GEL-R-LUBE	Non Damaging Lubricant	•	•	•	•			7-11			Y
GEL-R-BUFFER	pH Buffering Agent	•	•	•	•			1 - 3			Y
KELCO OIL FIELD GROUP											
CELPOL ESL	Extreme low visc PAC	•	•	•	•			0.25-2		Y	Y
CELPOL R	Purified PAC high visc	•	•	•	•			0.25-2		Y	Y
CELPOL RX	Purified PAC high visc	•	•	•	•			0.25-2		Y	Y
CELPOL SL	Purified PAC low visc	•	•	•	•			0.25-2		Y	Y
CELPOL SLX	Premium purified PAC low visc	•	•	•	•			0.25-2		Y	Y

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FINNFIX BOL	Middle visc CMC	•	•	•	•			2-3		Y	Y
FINNFIX HC	High visc CMC	•	•	•	•			2-3		Y	Y
FINNFIX LC	Low visc CMC	•	•	•	•			2-3		Y	Y
FINNFIX RC	Middle visc CMC	•	•	•	•			2-3		Y	Y
XANVIS BIOPLOLYMER	Clarified Xanthan biopolymer	•	•	•	•			0.75/2		Y	Y
XANVIS L	Refined clarified liquid xantha slurry	•	•	•	•			0.75/2			Y
LAMBERTI SPA											
LAMPAC CHL	Premium grade, low viscosity, purified PAC	•	•	•	•			.2-2		Y	Y
LAMPAC CHR	High viscosity, premium grade, purified PAC	•	•	•	•			.2-2		Y	Y
LAMPAC EXLO	Extremely low viscosity PAC	•	•	•	•			.2-3		Y	Y
LAMPAC LOVIS	Low viscosity purified PAC, according to API/ISO	•	•	•	•			.2-2		Y	Y
LAMPAC REGULAR	High viscosity, purified PAC, according to API/ISO	•	•	•	•			.2-2		Y	Y
LUBRICANT EHB	Environmental friendly lubricant for heavy brines	•	•	•	•			1-3%			
LUBRICANT CBR 600	Environmentally friendly brine soluble lubricant	•	•	•	•			1-3%	Y		Y
FRONLUBE 100	Top range lubricant for salty environment	•	•	•	•	•	•	1-3%			
FRONLUBE 200	Top range, ester based lubricant	•	•	•	•	•	•	1-3%			
HYBSTAR HS	Cost effective, hydration suppressant	•	•	•	•			1-3%	Y		Y
PAG 102	Polyglycol shale inhibitor (low cloud point)	•	•	•	•			0.03			Y
PAG 211	Polyglycol shale inhibitor (Medium Cloud Point)	•	•	•	•			0.03			Y
CARBOSAN EF	Triazine based, general purpose	•	•	•	•			.01-2			
LIQUID CASING											
LIQUID CASING	Polycrystalline	•	•	•	•	•	•	8			Y
LIQUID CASING II	Polycrystalline	•	•	•	•	•	•	6			Y
O-M SEAL	Polycrystalline	•	•	•	•	•	•	50			Y
MAYCO WELLCHEM											
MAYCO CARB	Viscosity, fluid loss control agent	•	•	•	•			4-8			
MAYCO MAPP	Gelling, viscosity & fluid loss control agents	•	•	•	•			4-8			
MAYCO VIS	Gelling, viscocity control agent	•	•	•	•			4-8			
M-I SWACO											
BREAKDOWN	Chelant-based clean-up system							System			
BREAKDOWN 7	Neutral to slightly basic chelant clean-up system							System			
BREAKDOWN EXTRA	Enzyme and advanced chelant filtercake breaker				•	•		System			
BREAKDOWN HD	High density chelant based clean-up system							System			
BREAKFREE	Enzyme-based clean-up system							System			
D-SOLVER	Chelant		•			•	•	To 75 vol%			
D-SOLVER 7	Neutral to slightly basic chelant			•		•	•	To 80vol%	YELLOW		
D-SOLVER EXTRA	Chelant		•	•	•			10-30%wt			
D-SOLVER HD	High density Chelant		•			•	•	20-35%	YELLOW		
D-STROYER	Internal oxidizer breaker product			•	•			0.5-2.0	RED		
D-STRUCTOR	Organic acid precursor used in FAZ-AWAY or FAZE-OUT breaker systems to remove FAZEPRO filter cake					•	•	>30vol%	GREEN	Y	
DI-BALANCE	Viscosifier for the DIPRO system			•				0.25-2	GREEN	Y	
DI-LOK	Rheology Modifier for DI-PRO LD system			•				0.5 - 10			
DI-PLEX	Low-end rheology maintainer for DIPRO LD systems			•				0.15 - 0.3			
DIPRO	High-density, low-solids, divalent brine RDF system			•				System			
DIPRO LD	Low-density, DIPRO system			•				System			
DI-TROL	Filtration control agent for the DIPRO system			•				8.0	GREEN	Y	
DRILPLEX	Diverse Mixed Metal Oxide system		•		•			System			
DRILPLEX	MMO viscosifier		•		•			1-3			
DUAL-FLO	FCA for the FLOPRO NT system		•	•	•			4-6			Y
DUAL-FLO HT	FCA for high-temperature applications		•	•	•			2-7	GREEN	Y	
FAZE-AWAY	Invert-emulsion breaker system for FAZEPRO system					•	•	System			
FAZEBREAK	Delayed clean-up system for FAZEPRO system							System			
FAZE-OUT	Delayed breaker system for FAZEPRO system				•			System			
FAZE-MUL	Emulsifier for FAZEPRO System					•	•	8-12			
FAZE-MUL CW	Emulsifier for FAZEPRO System in cold weather					•	•	8-12	RED		
FAZEPRO	Reversible invert emulsion fluid system					•	•	System			
FAZE-WET	Wetting agent for FAZEPRO System					•	•	2-4			
FLO-PLEX	Fluid loss additive for DRILPLEX System	•		•				2-6	RED		

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FLOPRO NT	Minimal solids, non-damaging WB RDF system			•	•			System			
FLOPRO SF	Solids-free non-damaging WB RDF system			•	•			System			
FLO-THRU	Minimal solids, non-damaging WB RDF system			•	•			System			
FLO-THRU SF	Solids-free non-damaging WB RDF system			•	•			System			
FLO-TROL	Modified starch derivative	•	•	•	•			2-4	GREEN	Y	Y
FLO-VIS L	Non-dispersible, clarified Xanthan gum			•				.25-.5 gal/bbl			Y
FLO-VIS PLUS	Premium clarified Xanthan for FLOPRO NT systems	•	•	•	•			0.5-2.5			Y
FLO-WATE	Sized salt weighting agent for FLOPRO system			•				40-60	RED		
K-52	Non-chloride potassium supplement for FLOPRO NT systems	•	•	•	•			1-5			
KLA-CURE	Hydration suppressant for FLOPRO NT systems		•	•	•			4-8			Y
KLA-GARD	Shale inhibitor and hydration suppressant for FLOPRO NT systems		•	•	•			4-8			Y
KLA-STOP	Liquid polyamine shale inhibitor		•	•	•			1-4 vol%			Y
LUBE-167	Low-toxicity lubricant for FLOPRO NT system	•	•	•	•			4-16			Y
POWERVIS	Biopolymer viscosifier		•		•			0.875-1.25			Y
POWERVIS L	Liquid biopolymer viscosifier		•		•						
SAFE-BREAK MP	Internal breaker used in polymer-base fluids		•	•	•			0.5-4.0			
SAFE-CARB	Ground marble weighting/ bridging agent	•	•	•	•	•	•	10-50	GREEN	Y	Y
VERSA-OUT	Breaker system for VERSAPRO					•	•	System			
VERSA-WAY	Invert-emulsion breaker system for VERSAPRO					•	•	System			
VERSAPRO	Oil-base RDF system					•		System			
VERSAPRO LS	Low-solids oil-base RDF system							System			
WELLZYME A	Enzyme breaker with biocide for water-base RDF fluids			•	•			2-5%			
WELLZYME III	Enzyme breaker without biocide for water-base RDF fluids			•	•			2-10%	YELLOW		
NEWPARK FLUIDS SYSTEMS											
CleanVis	Clarified xanthan	•	•	•	•			0.2-2	Y		Y
CleanTrol	Modified starch for fluid loss control	•	•	•	•			4-8	Y		Y
CleanTrol HD	Dual functionality viscosifier and fluid loss control for divalent brines	•	•	•	•			6-10	Y		Y
TrueCarb	Ground marble bridging additive, range of particle size			•	•	•	•	20-50			Y
HIPERM	Amine shale inhibitor		•	•	•			0.3-0.6 vol%			
OLEON N.V.											
RADIAGREEN EBO	General-purpose lubricant and ROP enhancer	•	•	•	•	•	•	4-6%	Y	N	Y
RADIAGREEN EME-SALT	Lubricant for heavy brines	•	•	•				0.5-3%	Y	N	Y
RADIAGREEN RA	Reservoir enhancer	•	•	•	•			0.5-1%	Y	N	
RADIAGREEN SL	Lubricant for pH system >10	•	•	•				2-5%	Y	N	Y
PQ CORP.											
ECODRILL	Silicate drilling fluid			•	•						
PRIME ECO GROUP, INC.											
DTS-2002	Polyalcohol no cloud point	•	•	•	•			3%-10%			
SKL-100	Environmental replacement for KCL	•	•	•	•			1-4			
PRIME PAC		•	•	•	•			0.5-4			
VISCLAY-R	MMO		•					1/2 to 1-1/2			
QMAX											
DRILSMOOTH	Highly thixotropic drilling fluid system		•		•			As needed			
MAX DIRECT	Direct Emulsion - Low density fluid		•	•	•			As needed			
MICRONAIRE	Micro-bubble system	•	•	•	•			As needed			
QCLEAR	Clear brine drill-in fluid		•		•			As needed			
QDRILL	Potassium-based drill-in fluid		•		•			As needed			Y
QDRILL IN	Water-based Drill-In fluid		•	•	•			As needed			Y
QFLOW	Antiphase Trap Additive	•	•	•	•			6 - 20			
QMAXDRILL	Amine based clay inhibitor	•	•	•	•			0.5 - 3			Y
QSTAR ENV	Biopolymer	•	•	•	•			2 - 6			Y
QSTAR HT	Biopolymer - HT applications	•	•	•	•			2 - 6			Y
QXAN L	Liquid xanthan gum	•	•	•	•			1 - 3			Y
QXAN XCD	Clarified dispersible xanthan gum	•	•	•	•			0.25 - 1.5			Y
SOLUMAX	Resin based system	•	•	•	•			As needed			
QUARON N.V.											
MC FLA SP	Viscosifier/fluidloss reducer NA/K system		•	•	•			4-10			
MC FLA CR	Viscosifier/fluidloss reducer calc.resistant		•	•	•			4-10			
MC FVIS	Solids free fluidloss additive/viscosifier	•	•	•	•			3-6			
MC ZAN XN	Shear thinning viscosifier 120°C, 250°F		•	•	•			0.25-2			
MC ZAN XT	Shear thinning viscosifier 150°C, 300°F		•	•	•			0.25-2			
SUN SPECIALTY PRODUCTS											
LUBRA-GLIDE	Mechanical solid spherical lubricant	•	•	•	•	•	•	4-6 lbs/bbl			Y
TBC-BRINADD											
GLYSOL-DRIL SYSTEM	Drill-in fluid - glycol system sized CaCO3	•			•						Y
AO SYSTEM	Drill-in fluid - low aromatic all oil system					•					
THIXSAL-ULTRA SYSTEM	Drill-in fluid - sized sodium chloride	•		•							Y
ULTRA PF SYSTEM	Drill-in fluid - high temp. sized calcium carbonate	•									Y
ULTRACARB SYSTEM	Drill-in fluid - sized calcium carbonate	•			•						Y
TETRA TECHNOLOGIES, INC.											
PAYZONE CLEANUP TRMT	DIF/GP clean-up			•	•						
PAYZONE CMT-X	MgCl2 cement contaminant control			•	•						
PAYZONE DF SLICK PILL	Solids free fluid			•	•						
PAYZONE DF-CC	DF using CaCO3 bridging mtl.			•	•						Y
PAYZONE DF-LT	Low toxicity fluid			•	•						Y
PAYZONE DF-SS	DF using NaCl bridging mtl.			•							Y
PAYZONE GRAVEL PACK TRMT	DIF/GP simultaneous clean-up			•	•						
EMULSIFIERS											
ADM EVOLUTION CHEMICALS											
ADM 2100	Low viscosity "Green" emulsifier, lubricity enhancer, wetting agent					•	•	0.25-2			Y
ADM 750	"Green" surfactant, lubricity enhancer, wetting agent, secondary emulsifier	•	•	•	•			0.25-2			Y
ADM 3100	Low viscosity "Green" surfactant/ lubricity enhancer, wetting agent, secondary emulsifier	•	•	•	•			0.25-2			Y
AES DRILLING FLUIDS											
ABS MUL	Emulsifier package for diesel and synthetic based drilling fluids					•	•				
AES MUL	Emulsifier package for diesel based drilling fluids					•					
AES PRIMARY EMULSIFIER	Primary Emulsifier for diesel and synthetic based drilling fluids					•	•				
AES SECONDARY EMULSIFIER	Secondary Emulsifier for diesel and synthetic based drilling fluids					•	•				
AES WA II	Wetting agent for diesel and synthetic based drilling fluids					•	•				
AES WA	Wetting agent for diesel based drilling fluids					•					
ENERMUL	Emulsifier for ENERREACH system					•	•				
ENERMUL II	Emulsifier (secondary) for ENERREACH system					•	•				
ENERWET	Wetting agent for ENERREACH (oil, synthetic based)					•	•				
PUREMUL	Emulsifier package for PURESTAR fluid system						•				
BAKER HUGHES											
CARBO-MUL HT	High-temperature emulsifier and wetting agent					•		0.5-2 gal/bbl	Y		
CARBO-MUL LT	Low-temperature emulsifier and wetting agent					•		0.2-3 gal/bbl			
CARBO-TEC	High-temperature anionic emulsifier					•		0.6-1.7 gal/bbl	Y		
CARBO-TEC LT	Low Temp. supplemental emulsifier						•	Up to 0.6 gal/bbl			
DELTA-MUL	High performance, CEFAS substitution-free emulsifier and wetting agent for the North Sea					•	•	0.12-1.5 gal/bbl	Y		
DELTA-MUL ST	High-performance emulsifier for DELTA-TEQ low-pressure impact drilling fluid					•	•	1 gal/bbl			
DELTA-MUL XS	High-temperature, CEFAS substitution-free emulsifier and wetting agent for the North Sea					•	•	0.5-1.5 gal/bbl	Y		
DELTA-VERT ST	Secondary emulsifier for DELTA-TEQ low-pressure impact drilling fluid					•	•	1-2 ppb			
ECCO-MUL E	Emulsifier for invert-emulsion systems					•		0.5-1.5 gal/bbl			
ECCO-MUL R	REACH compliant emulsifier for invert-emulsion systems					•		0.5-0.75 gal/bbl	Y		
EPI-MUL 4068	Primary emulsifier for invert emulsion systems					•		6-12 ppb			
EPI-MUL 4080	Primary emulsifier for invert emulsion systems					•		2-8 ppb			
EPI-MUL 4091	High-performance emulsifier for invert emulsion systems in the UK					•	•	1.1-1.6 gal/bbl	Y		

PRODUCT NAME	DESCRIPTION	Dispersed	Nondispersed	Saturated Salt	Fresh Water	Oil-Based	Synthetic Fluid	Normal Concentration Usage (lbs/bbl)	HOCNF Classification	PLONOR Listing Available	Passed LC50 Test
EPI-TEC 4055	Secondary emulsifier for invert emulsion systems					•		6-12 ppb			
INVO MUL	Reservoir-safe, high-temperature emulsifier for invert emulsion drill-in fluid systems					•	•	0.5-0.15 gal/bbl			
INVO MUL C	Reservoir-safe emulsifier for invert emulsion drill-in fluid systems					•	•	0.12-1.5 gal/bbl			
INVO MUL XS	Reservoir-safe emulsifier for invert emulsion drill-in fluid systems for North Sea applications					•	•	0.5-0.15 gal/bbl	Y		
MAGMA-VERT	Emulsifier for MAGMA-TEQ extreme HPHT emulsion system					•	•	0.5-2 gal/bbl	Y		
MAGMA-VERT NS	High-temperature, CEFAS substitution-free supplemental emulsifier and wetting agent for the North Sea					•	•	0.5-2.5 gal/bbl	Y		
NEXT-MUL	Primary emulsifier for the NEXT-DRILL system					•	•	0.4-0.75 gal/bbl			
NEXT-MUL HT	High Temperature, primary emulsifier for invert emulsion system					•	•	0.4-0.75 gal/bbl			
OMNI-MUL	High temp. emulsifier and wetting agent for synthetic muds					•	•	0.5-1.5 gal/bbl	Y		Y
OMNI-MUL 2	Emulsifer for synthetic drilling fluids					•	•	0.5-1 gal/bbl			
OMNI-MUL XT	High-temperature emulsifier and wetting agent for synthetic drilling fluids					•	•	0.5-1.5 gal/bbl			
OMNI-TEC	Anioic emulsifier for synthetic drilling fluids					•	•	0.6-1.7 gal/bbl			
DRILLSAFE JANEL											
MULTIDET E	Fresh and salt water emulsifier	•	•	•	•			0.5-0.3			
ECO FLUIDS											
ECOMUL	Primary emusilsifier					•	•	3 - 10			
ECOWET	Secondary emulsifier					•	•	0.5 - 4			
ECOHUM	Oil mud wetting agent					•	•				
EMERY											
TERRADRIL EM 392	Fatty acid (co-emulsifier)					•	•	1-5			
TERRADRIL EM 1122	Amid based OBM-emulsifier					•	•	2-10			
TERRADRIL EM 1120	High temperature stable, low toxicity OBM emulsifier					•	•	2-8			
GLOBAL AM-TX											
GLO MUL 177				•	•	•	•				
GLO MUL 178				•	•	•	•				
GLO MUL 601				•	•	•	•				
GLO MUL 602				•	•	•	•				
GLO MUL 701				•	•	•	•				
GLO MUL 702				•	•	•	•				
LAMBERTI SPA											
ALBISOL OW	Emulsifier for direct emulsion					•	•	2-10%			
EMULAM HT	Emulsifier for HT conditions					•	•	5-12			
EMULAM PE	Primary emulsifier for OBM					•		1-10			
EMULAM PE/S	Primary emulsifier for SBM						•	1-10			
EMULAM SE	Secondary emulsifier for OBM					•		1-10			
EMULAM SE/S	Secondary emulsifier for SBM						•	1-10			
EMULAM PS ONE	All in one emulsifier						•	1-10			
EMULAM WA	Wetting agent for OBM					•	•	1.0-10			
LAMBERTI USA											
EMULAM AK	Primary emusifier / intermediate					•	•	1-10			
EMULAM ASB	Super wetting agent for invert muds					•	•	1-6			
EMULAM DE1	Emusifier for direct emulsions					•	•	1-10			
EMULAM PC	Concentrated primary emulsifier					•	•	1-6			
EMULAM PM	Primary emulsifier for invert muds					•		1-10			
EMULAM PS	Primary emulsifier for synthetic based muds					•	•	1-10			
EMULAM SC	Concentrated secondary emulsifier					•	•	1-6			
EMULAM SM	Secondary emulsifier for invert muds					•		1-10			
EMULAM SS	Secondary emulsifier for synthetic based muds					•	•	1-10			
EMULAM PHT	High temperature primary emulsifier					•	•	1-10			
EMULAM SHT	High temperature secondary emulsifier					•	•	1-10			
EMULAM WA1	Wetting agent / primary					•	•	1-6			
EMULAM WAO	Imidazoline based wetting agent					•	•	1-6			
M-I SWACO											
ACTIMUL RD	Dry emulsifier and wetting agent in diesel					•	•	6-10			
MEGAMUL	Basic emulsifier and wetting agent in MEGADRIL system					•		4-12			
MEGADRIVE P	Primary emulsifier for MEGADRIVE system					•		6-8			
MEGADRIVE S	Secondary emulsifier for MEGADRIVE system					•		2-4			

PRODUCT NAME	DESCRIPTION	Dispersed	Nondispersed	Saturated Salt	Fresh Water	Oil-Based	Synthetic Fluid	Normal Concentration Usage (lbs/bbl)	HOCNF Classification	PLONOR Listing Available	Passed LC50 Test
MUL XT	High-temperature emulsifier					•	•	8 - 12	YELLOW		
NOVAWET	Wetting agent for synthetic muds						•	1-5			
NOVATEC P	Primary emulsifier for NOVATEC system					•	•	2-6			
NOVATEC S	Secondary emulsifier for NOVATEC system					•	•	2-6			
ONE-MUL	emulsion stability, wetting agent, filtration control, and temperature stabilizer.					•		8-10	YELLOW 2		
OILFAZE	Sacked oil-base concentrate					•		50			
PRIMO-MUL	High Internal phase ratio emulsifier					•	•	2 - 9	YELLOW		
RheMul	Flat rheology system emulsifier					•	•	8 - 12.5			
RheCon	Flat rheology system conditioner					•	•	2 - 4			
SUREMUL	Primary emulsifier for SBM systems						•	6-10.2			
VERSACOAT HF	Organic surfactant emulsifier for oil muds in HT					•		1-8			
VERSAMUL	Primary emulsifier & wetting agent, liquid blend of emulsifiers, wetting agents, gelling agents and fluid stabilizers					•		4-10			
VERSAPRO P/S	Primary emulsifier, secondary wetting agent in VERSAPRO system					•		6-10	RED		
VERSAWET	Wetting agent for OBM					•		1-4	YELLOW 2		
NEWPARK FLUIDS SYSTEMS											
CYBERCOAT	Surfactant & supplimental emulifier					•	•	0.5-2			Y
CYBERMUL	Low toxicity emulsifier					•	•	4-6			Y
CYBERPLUS	Low toxicity emulsifier					•	•	8-12			Y
KRONOCOAT	Wetting Agent					•	•	0.5-2			
KRONOMUL HP	High-performance emulsifier					•	•	8-12			
KRONOTHIN	High-performance thinner					•	•	<3			
NEWMUL HP	High-performance emulsifier					•	•	8-12			
OPTIMUL HP	High-performance emulsifier					•		8-12			
OPTIMUL II	Organic emulsifier					•		2-8			
OPTIPLUS II	Organic emulsifier					•		2-8			
OPTITHIN	Organic thinner					•		0.25-1			
OPTIVERT	Primary emulsifier					•		2-8			
OPTIWET	Blend of emulsifying & wetting agents					•		0.25-8			
TEROMUL	High-performance emulsifier					•		8-12			
TEROCOAT	Wetting Agent					•		0.25-2			
VP-MUL	Primary emulsifier					•		4-6			
VP-PLUS	Secondary emulsifer					•		6-9			
VP-WET	Oil wetting agent					•		0.5-6			
NOV FLUIDCONTROL											
PETRO-MUL I	Primary emulsifier					•		2-8 lbs/bbl			
PETRO-MUL I HT	Primary emulsifier for high temp applications					•		2-8 lbs/bbl			
PETRO-MUL II	Secondary emulsifier					•		2-8 lbs/bbl			
PETRO-MUL II HT	Secondary emulsifier for high temp applications					•		2-8 lbs/bbl			
TERRA PE	Primary emulsifier for synthetic base oils, onshore					•	•	2-8 lbs/bbl			
TERRA SE	Secondary emulsifier synthetic base oils, onshore					•	•	2-8 lbs/bbl			
WAVE PE	Primary emulsifier for synthetic base oils, offshore					•	•	2-8 lbs/bbl			
WAVE SE	Secondary emulsifier synthetic base oils, offshore					•	•	2-8 lbs/bbl			
OLEON N.V.											
RADIAGREEN EBL	Env. friendly ester based lubricant	•	•	•	•			0.5 - 3%	Y	N	Y
RADIAGREEN EME SALT	Lubricant for heavy brines	•	•	•				0.5 - 3%	Y	N	Y
RADIAGREEN EMUL	emulsifier for inverted oil mud system					•	•	2 - 4%		N	
E-24	Blend of emulsifying and wetting agents	•	•	•	•	•	•	2 - 4%		N	Y
PRIME ECO GROUP, INC.											
PECOMUL 100	Wetting agent for OBM					•		1-6	N	N	
PECOMUL 300	Wetting agent and emulsifier					•		1-8	N	N	
QMAX											
DRIMUL	Dry emulsifier for NAF					•	•	2 - 8			
MAXMUL	Emulsifier for NAF					•	•	2 - 12			Y
MAXMUL HT	Emulsifier for NAF / HT applications					•	•	4 - 12			
PRIMEMUL	Emulsifier for NAF					•	•	2 - 6			
QMAXMUL C	HTHP concentrated emulsifier					•	•	1 - 6			
QMAXMUL HT	Emulsifier for NAF / HT applications					•	•	3 - 8			
QMAXMUL I	Primary emulsifier for NAF					•	•	3 - 8			
QMAXMUL II	Secondary Emulsifier for NAF					•	•	1 - 3			
QMAXMUL P	Primary emulsifier for NAF					•	•	3 - 8			
QMAXMUL S	Secondary Emulsifier for NAF					•	•	1 - 3			
QMAXMUL SHT	Secondary Emulsifier for NAF / HT applications					•	•	2 - 4			

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QMUL C	Concentrated Emulsifier for OBM					•	•	1 - 6			
QMUL DIRECT F	Emulsifier for direct emulsions					•	•	4 - 6			
QMUL I	Primary emulsifier for OBM					•	•	1 - 10			
QMUL II	Secondary emulsifier for OBM					•	•	1 - 10			
QMUL P	Primary emulsifier for NAF					•	•	2 - 10			
QMUL S	Secondary Emulsifier for NAF					•	•	2 - 6			
QWET	Oil Wetting Agent					•	•	0.25 - 2			
SUN SPECIALTY PRODUCTS											
MULSPERSE	Wetting agent	•	•	•	•			0.5-1%			Y
FILTRATION CONTROL AGENTS											
AES DRILLING FLUIDS											
ENERNITE	Filtrate Reducer for oil based systems					•	•				
ENERPAC REGULAR	Polyanionic cellulose fluid loss additive, regular	•	•	•	•						
ENERPAC LO VIS	Polyanionic cellulose fluid loss additive, low viscosity	•	•	•	•						
FLR	Filtrate Reducer for oil based systems					•	•				
FLR PLUS	High Performance Filtrate Reducer					•	•				
DURATEC	Elastomeric HP/HT control additive					•	•				
DURATEC ER	Polymeric Fluid loss for ENERREACH system (oil, synthetic based)					•	•				
ES-Control	Filtrate Reducer for ENERSEALsystem		•	•	•						
AKZO NOBEL											
GABROIL PAC HIVIS	PAC high viscosity, technical (improved)	•	•	•	•			0.2-3			Y
GABROIL PAC LOVIS	PAC low viscosity, technical (improved)	•	•	•	•			0.2-3			Y
GABROIL HV	PAC high viscosity, technical	•	•	•	•			0.2-3			Y
GABROIL LV	PAC low viscosity, technical	•	•	•	•			0.2-3			Y
GABROSA EHVT	CMC extra high viscosity, technical	•	•	•	•			0.2-4			Y
GABROSA HVT	CMC high viscosity, technical	•	•	•	•			0.2-4			Y
GABROSA LVT	CMC low viscosity,technical	•	•	•	•			0.2-4			Y
STAFLO EXLO	PAC low viscosity, pure	•	•	•	•			0.2-2			Y
STAFLO REGULAR	PAC high viscosity, pure	•	•	•	•			0.2-2			Y
AMERICAN GILSONITE CO.											
Gilsonite	Gilsonite					•	•	6-10 ppb			Y
Gilsonite HT	Gilsonite Hgh Temperature					•	•	6-10 ppb			Y
Gilsonite Aquasol	Water Dispersible Gilsonite	•	•	•	•			6-10 ppb			Y
Gilsonite Aquasol HT	Water Dispersible Gilsonite Hgh Temperature	•	•	•	•			6-10 ppb			Y
ASAP FLUIDS											
ASAP PAC LV	Polyanionic Cellulose Low Viscosity Technical Grade)	•	•	•	•			0.25-4.0			Y
ASAP CMC LV	Carboxy Methyl Cellulose Low Viscosity	•	•	•	•			1.5-3.0			Y
ASAP CMC HV	Carboxy Methyl Cellulose High Viscosity	•	•	•	•			0.25-3.0			Y
ASAP PAC RG	Polyanionic Cellulose RegularTechnical Grade)	•	•	•	•			0.75-4.5			Y
ASAP RX	Lignite polymer	•	•	•	•			2-10			Y
ASAP STARCH CM	Carboxy Methyl Starch	•	•	•	•			3-7			Y
ASAP STARCH	Pregel starch	•	•	•	•			2-10			Y
ASAP STARCH HT	Pregel Starch	•	•	•	•			2-10			Y
BASF											
Alcomer 242	Polyacrylamide-based polymers	•	•		•						
Alcomer 507	Polyacrylamide-based polymers		•		•						
Polydrill	Synthetic fluid loss polymer	•	•	•	•			2-6			
BAKER HUGHES											
AKVO LOSE BT	Biocide-treated starch for PERFFLOW drill-in fluids			•	•			4-7 ppb			
AKVO TROL I	Filtration control additive for PERFFLOW drill-in fluids suited for divalent brines			•	•			4-6 ppb			
AKVO TROL II	Filtration control additive for PERFFLOW drill-in fluids			•	•			4-6 ppb			
BIO-LOSE	Complexed polysaccharide	•	•	•	•			2-4 ppb			Y
BIO-PAQ	Organic derivative providing filtration control	•	•	•	•			1-4 ppb	Y		Y
BIO-PAQ AR	High performance filtration control biopolymer				•			1-4 ppb			
CARBO-TROL	Asphaltic filtration control additive for invert emulsion fluids					•		varies			
CARBO-TROL A-9	Non-asphaltic, non-polymeric HTHP filtration control additive					•	•	5-10 ppb			
CARBO-TROL 375	High-temperature filtration control additive for invert emulsion fluids					•		2-6 ppb	Y		
CHEMTROL X	HT filtration control additive for water-base fluids	•	•	•				2-6 ppb			Y
DELTA-FL HT	Filtration control polymer for invert emulsion drilling fluids in HT/HP applications					•	•	0.5-7 ppb	Y		
DELTA-FL ST	Filtration control polymer for DELTA-TEQ low-pressure impact drilling fluid					•	•	0.5-4 ppb	Y		
DELTA-TEQ FL	Liquid filtration control additive for invert emulsion fluids					•	•	2-4 ppb	Y		
DELTA-TROL	Filtration control additive for solids-laden fluid loss control pills			•	•			2-7 ppb		Y	
DELTA-TROL LA	Liquid filtration control additive for low-pressure-impact drilling fluid					•	•	1-3 ppb			
ECCO-BLOK	Filtration control additive for nonaqueous drilling fluids	•	•	•	•			2-6 ppb	Y		
EPI-TROL 4062	Asphaltic filtration control additive for invert emulsion fluids					•	•	4-10 ppb			
FL-1790	Liquid filtration control additive for invert emulsion drilling fluids					•	•	2-7 ppb	Y		
INVO TROL L	Liquid filtration control additive for inver emulsion drill-in fluids					•	•	2-7 ppb			
KEM-SEAL	Co-polymer for high-temperature filtration control	•	•	•	•			0.25-6 ppb			Y
LATITROL	Fluid loss additive for LATIDRILL system	•	•	•	•			2-5 ppb			
LIGCO	Filtration control additive for water-based drilling fluids	•			•			2-8 ppb			Y
LIGCON	Causticized leonardite for filtration control in water-based drilling fluids	•			•			2-8 ppb			Y
MAGMA-SEAL	Fluid loss and sealing additive for MAGMA-TEQ extreme HPHT emulsion system					•	•	4-8 ppb			
MAGMA-TROL	Polymeric fluid loss additive for MAGMA-TEQ extreme HPHT emulsion system					•	•	0.5-7 ppb	Y		Y
MAX-TROL	Sulfonated resin	•	•	•	•			2-8 ppb	Y		Y
MIL-PAC LV	Low-viscosity polyanionic cellulose	•	•		•			1-4 ppb	Y	Y	Y
MIL-PAC LV PLUS	Saltwater tolerant low-viscosity polyanionic cellulose that meets API specifications	•	•	•	•			0.25-2 ppb	Y	Y	
MIL-PAC LVT	Low viscosity, technical-grade polyanionic cellulose	•	•		•			0.5-2 ppb	Y	Y	
MIL-PAC R	Polyanionic cellulose, regular viscosity	•	•					0.25-4 ppb	Y	Y	Y
MIL-PAC R PLUS	Saltwater tolerant polyanionic cellulose, regular viscosity	•	•	•	•			0.25-4 ppb	Y	Y	
MIL-PAC RT	Technical grade polyanionic cellulose, regular viscosity, API spec	•	•		•			0.5-3 ppb	Y	Y	
MILSTARCH	Pregelatinized starch	•	•	•	•			1-5 ppb	Y	Y	Y
NEXT-FLC	Premium fluid loss control additive for NEXT-DRILL invert system					•	•	1-6 ppb			
NEXT-SEAL	HPHT filtration control agent for invert emulsions fluids					•	•	1-4 ppb			Y
PERMA-LOSE HT	Non-fermenting polymerized starch	•	•	•	•			1-5 ppb			Y
TEKPLUG XL	Pre-cross-linked fluid loss polymer for clear brine fluids			•				Varies			Y
TEKPLUG XL HD	High-density, pre-cross-linked fluid loss polymer for clear brine fluids			•				Varies			
W-313	Filtration reducer for PERFFLOW system		•	•	•			5-7 ppb			Y
CHEMSTAR PRODUCTS											
DRILSTAR HT	High performance white starch	•	•	•	•			4			Y
DRILSTAR P	Potato starch	•	•	•	•			3			Y
DRILSTAR SUPERTEMP	High temp starch for brines	•	•	•	•			4			
DRILSTAR Y	Low cost yellow starch	•	•	•	•			5			Y
EXSTAR	Modified corn starch for temp.	•	•	•	•			2-6			Y
HYDROSTAR	Pegel starch for temp. and hardness	•	•	•	•						
PETROSTAR	Pre gel starch for API/OCMA	•	•	•	•			5			
STARLOSE	Stabilized starch	•	•	•	•			2-5			Y
STARPAK	Highly derivatized starch ether	•	•	•	•			2-5			Y
STARPAK DP	Miulti-derivatized starch ether	•	•	•	•			2-5			Y
STARPAK EXTREME	Multiderivitized starch ether for high temp	•	•	•	•						
STARPAK II	A complexed variation of STARPAK	•	•	•	•			2-5			Y
CHEMTOTAL											
POLY-PLUS	Complexed Polysaccharide	•	•	•	•			2-4			Y
DEEP SOUTH CHEMICAL											
DSC HEC	Non-ionic pure hydroxyethyl cellulose			•	•			0.5-3			
DRILLING SPECIALTIES CO.											
DRISFLEX ADDITIVE	Dispersible liquid latex	•	•	•	•			2.0-10.0			
DRILLPAC HV POLYMER	High viscosity polyanionic cellulose	•	•	•	•			0.25-2.5		Y	Y
DRILLPAC LV POLYMER	Low viscosity polyanionic cellulose	•	•	•	•			0.25-2.5		Y	Y

PRODUCT NAME	DESCRIPTION	Dispersed	Nondispersed	Saturated Salt	Fresh Water	Oil-Based	Synthetic Fluid	Normal Concentration Usage (lbs/bbl)	HOCNF Classification	PLONOR Listing Available	Passed LC50 Test
DRISCAL D POLYMER	High temperature synthetic polymer	•	•	•	•			0.5-2.5		Y	Y
DRISPAC PLUS REGULAR	Dispersable HV polyanionic cellulose	•	•	•	•			0.25-2.5		Y	Y
DRISPAC PLUS SUPERLO	Dispersable LV polyanionic cellulose	•	•	•	•			0.25-2.5		Y	Y
DRISPAC REGULAR POLYMER	High viscosity polyanionic cellulose	•	•	•	•			0.25-2.5		Y	Y
DRISPAC SUPERLO POLYMER	Low viscosity polyanionic cellulose	•	•	•	•			0.25-2.5		Y	Y
DRISTEMP POLYMER	High temperature synthetic polymer	•	•	•	•			0.5-2.5		Y	Y
LIQUID HE-150 POLYMER	Brine viscosifier	•	•	.•	.•			2.0-10.0		Y	Y
HE-150 POLYMER	Brine viscosifier	•	•	•	•			1.0-5.0		Y	Y
HE-300 POLYMER	Fluid loss additve for slicate muds	•	•	•	•			1.0-5.0		Y	Y
LIQUID DRISPAC POLYMER	High viscosity polyanionic cellulose	•	•	•	•			0.5-4.0		Y	N
SOLTEX ADDITIVE	Sulfonated asphalt for HTHP filtrate control	•	•	•	•	•	•	2.0-6.0		Y	Y
SOLTEX E ADDITIVE	Sulfonated asphalt	•	•	•	•	•	•	2.0-6.0		Y	Y
DRILL-SURE OBM ADDITIVE	Multi purpose OBM Additive					•	•	0.75-6.0		Y	Y
DRILL-WELL D210 FLA	Synthetic fluid loss additive for invert oil based fluids to 300° F					•	•	1.0-4.0			
DRILLSAFE JANEL											
MUTICEL	CMC, all grades	•	•	•	•			0.2-3			
MUTICEL R	PAC HV	•	•	•	•			0.1-2			
MUTIDRILL	Modified starch polymer	•	•	•	•			0.4-2			
MUTISAL	Carboxy-methylated polymer	•	•	•	•			0.2-1			
ECO FLUIDS											
ECODRILL	HT-HP filtration control	•	•	•	•			2 - 10			Y
ECOFCG	MT gilsonite					•	•	2 - 10			Y
ECOFCG HT	HT gilsonite					•	•	2 - 10			Y
ECOFCL	Amine lignite					•	•	2 - 10			Y
ECOSTARCH	High performance filtrate reducer	•	•	•	•			4 - 6			Y
ECOPAC-R	Filtration reducer	•	•	•	•			0.5 - 3			Y
ECOPAC-LV	Filtration reducer	•	•	•	•			0.5 - 3			Y
ECOLIG	Thinner and filtration control additive	•	•	•	•			2 - 10			Y
VULCATROL	Filtration control agent	•	•	•	•			0.25 - 3			Y
ECOTEX	Sulfonated asphalt	•	•	•	•	•	•	2 - 6			Y
ELGIN SEPARATION SOLUTIONS											
KEM-PAS N	Anionic polymer, powder	•	•	•	•						
Z-TROL	Polyacrylamide, powder, HP/HT	•		•	•						
GLOBAL AM-TX											
GLO PAC 100					•	•	•				
GLO PAC 300					•	•	•				
GLO PAC 500					•	•	•				
GLO-STARCH W											
GLO-STARCH Y											
GLO-STRACH CM											
GLO CMC											
GRAIN PROCESSING CORP.											
CONTROL I-99F	Crosslinked starch	•	•	•	•			3%			Y
CONTROL I-10F	Natural white starch	•	•		•			3-51			Y
CONTROL I-100	Natural white starch	•	•		•			3-51			Y
CONTROL I-166	Alkaline starch	•	•	•	•			3%			Y
GUMPRO											
GEL PAC LV	Polyanionic Cellulose Low Viscosity Technical Grade)	•	•	•	•			0.25-4.0			Y
GEL CMC LV	Carboxy Methyl Cellulose Low Viscosity	•	•	•	•			1.5-3.0			Y
GEL CMC HV	Carboxy Methyl Cellulose High Viscosity	•	•	•	•			0.25-3.0			Y
GEL PAC RG	Polyanionic Cellulose RegularTechnical Grade)	•	•	•	•			0.75-4.5			Y
GEL RX	Lignite polymer	•	•	•	•			2-10			Y
GEL STARCH CM	Carboxy Methyl Starch	•	•	•	•			3-7			Y
GEL STARCH	Pregel starch	•	•	•	•			2-10			Y
GEL STARCH HT	Pregel Starch	•	•	•	•			2-10			Y
KELCO OIL FIELD GROUP											
CELFLO R	Semipure PAC regular	•	•	•	•			0.5-3		Y	
CELFLO SL	Semipure PAC superlow	•	•	•	•			0.5-3		Y	
CELPOL ESL	Extreme low visc PAC	•	•	•	•			0.25-2		Y	Y
CELPOL R	Purified PAC high visc	•	•	•	•			0.25-2		Y	Y
CELPOL RX	Purified PAC high visc	•	•	•	•			0.25-2		Y	Y
CELPOL SL	PAC superlowPurified PAC low visc	•	•	•	•			0.25-2		Y	Y
CELPOL SLX	Premium purified PAC low visc	•	•	•	•			0.25-2		Y	Y
FINNFIX BOL	Middle visc tech CMC	•	•	•	•			2-3		Y	Y
FINNFIX H	CMC high viscosity pure	•	•	•	•			0.2-3		Y	Y
FINNFIX HC	High visc tech CMC	•	•	•	•			2-3		Y	Y
FINNFIX L	CMC low viscosity pure	•	•	•	•			0.2-3		Y	Y
FINNFIX LC	Middle visc tech CMC	•	•	•	•			2-3		Y	Y
FINNFIX RC	Middle visc tech CMC	•	•	•	•			2-3		Y	Y

PRODUCT NAME	DESCRIPTION	Dispersed	Nondispersed	Saturated Salt	Fresh Water	Oil-Based	Synthetic Fluid	Normal Concentration Usage (lbs/bbl)	HOCNF Classification	PLONOR Listing Available	Passed LC50 Test
WL-100	Sodium polyacrylate fluid loss additive	•	•		•			0.25-1			Y
LAMBERTI SPA											
CARBOCEL EHV	Extra high visc. CMC according to API/ISO	•	•	•	•			.2-4		Y	Y
CARBOCEL HV	High viscosity technical grade CMC	•	•	•	•			.2-4		Y	Y
CARBOCEL LV	Low viscosity CMC according to API/ISO	•	•	•	•			.2-5		Y	Y
CEPAC ELV	Extremely Low-viscosity PAC	•	•	•	•			.2-3		Y	Y
CEPAC LOVIS	Low-viscosity PAC	•	•	•	•			.2-3		Y	Y
CEPAC REGULAR	High-viscosity PAC	•	•	•	•			.2-3		Y	Y
EMULAM FC	Liquid fluid loss reducer for OBM					•	•	1-10			Y
EMULAM FLK	Liquid syntethic based OBM FLR					•	•	1-10			
EMULAM FC/NS	Liquid OBM FLR for North Sea					•	•	1-10	Y		Y
HYSOPOL FL	High temp. polymeric FR (up to 300°F)	•	•	•	•			1-10			Y
HYSOPOL FLN	Polymeric FLR for North Sea	•	•	•	•			1-10	Y		Y
HYSOPOL HTL	High temperature polymeric FLR	•	•		•			10-30			
K PAC LOVIS	Potassium low viscosity PAC	•	•		•			.2-3		Y	Y
K PAC REGULAR	Potassium high viscosity PAC	•	•		•			.2-3		Y	Y
LAMPAC CHL	Premium grade, low visc., purified PAC	•	•	•	•			.2-2		Y	Y
LAMPAC CHR	High visc., premium grade, purified PAC	•	•	•	•			.2-2		Y	Y
LAMPAC EXLO	Extremely low-viscosity PAC	•	•	•	•			.2-3		Y	Y
LAMPAC LOVIS	Low visc. purified PAC, according to API/ISO	•	•	•	•			.2-2		Y	Y
LAMPAC REGULAR	High visc., purified PAC, according to API/ISO	•	•	•	•			.2-2		Y	Y
LAMPAC NFE-L	Dispersible, premium, LV purified PAC	•	•	•	•			.2-2		Y	Y
LAMPAC NFE-R	Dispersible - HV, premium, purified PAC	•	•	•	•			.2-2		Y	Y
LAMBERTI USA											
EMULAM FLC	Liquid fluid loss control agent for OBM					•	•	0.5-5			
LIQUID CASING	Liquid fluid loss control agent for OBM					•	•	0.5-5			
LIQUID CASING	Polycrystalline	•	•	•	•	•	•	8			Y
LIQUID CASING II	Polycrystalline	•	•	•	•	•	•	6			Y
WORKOVER 2000	Non-damaging polymers			•	•			2			Y
WORKOVER 3000	Non-damaging polymers			•	•			2			Y
XP-1000	Polymer visco	•	•	•	•			2			Y
XP-2000	Polymer visco	•	•	•	•			2			Y
MAYCO WELLCHEM											
MAYCO CARB	Viscosity, fluid loss contol agents	•	•	•	•			4-8			
MAYCO FLC	Fluid loss control agent	•	•	•	•			1-4			
MAYCO FLOW	Fluid loss control agent	•	•	•	•			2-6			
MAYCO HELP	Polymer temperature extender	•	•	•	•			1-5			
MAYCO LIVIS	Liquid viscosity control agent	•	•	•	•			1-6			
MAYCO MAPP	Gelling, viscosity and fluid loss control agents	•	•	•	•			4-8			
MAYCO VIS	Gelling, viscosity control agents	•	•	•	•			4-8			
M-I SWACO											
ASPHASOL D	Sulfonated organic blend, partially water soluble	•		•	•			2-10			
ASPHASOL SUPREME	Sulfonated asphalt	•	•	•	•	•		3-6			Y
DI-TROL	FCA for the DIPRO system			•				8	GREEN	Y	
DUAL-FLO	FCA for the FLOPRO NT system		•	•	•			4-6			Y
DUAL-FLO HT	FCA for high-temperature applications		•	•	•			2-7	GREEN	Y	
ECOTROL L	Liquid filtration control for paraffin-, mineral oil- and synthetic oils					•	•	0.5-2.0			
ECOTROL RD	Version of ECOTROL used in PARALAND system					•	•	2-4	RED		
ECOTROL HT	Synthetic Co-Polymer in all oil high-temperature applications					•	•	2-4	RED		
FLO-PLEX	Filtration control additive for the DRILPLEX system	•		•				2-6	RED		Y
FLO-PLEX PLUS	Filtration control additive for the DRILPLEX system	•		•				4-6			
FLO-TROL	Starch derivative for FLOPRO NT systems	•	•	•	•			2-4	GREEN	Y	Y
M-I PAC R	Pure PAC polymer, technical grade	•	•		•			2-5	GREEN	Y	
M-I PAC UL	Pure PAC polymer, low viscosity	•	•		•			2-5	GREEN	Y	
MEGATROL	Filtration control in Diesel based systems						•	0.5-3			
MY-LO-JEL	Pregelatinized corn starch	•	•	•	•			4-8			
OILFAZE	Sacked oil-base concentrate					•		50			
ONETROL	Filtration control additive					•	•				
ONETROL HT	Amine-treated tannin					•	•	4-10	RED		
POLYPAC ELV	Extra-low viscosity PAC	•	•	•	•			0.5-2	GREEN	Y	Y
POLYPAC R	Polyanionic cellulose	•	•	•	•			0.5-2	GREEN	Y	Y
POLYPAC UL	PAC, ultra low-viscosity	•	•	•	•			0.5-2	GREEN	Y	Y

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POLY-SAL	Non-fermenting starch	•	•	•	•			2-6			
POLY-SAL HT	High-quality, preserved polysaccharide	•	•	•	•			2-6			
POLY-SAL T	Non-fermenting tapioca starch derivative	•	•	•	•			2-6			
POROSEAL	Latex-modified starch polymer	•	•	•	•			2-5vol%			Y
POROSEAL Plus	Latex-based fluid loss control sealant	•		•	•			5-15			
RESINEX II	High-temperature synthetic resin	•	•	•	•			2-10			
SAFE-CARB	Sized ground marble	•	•	•	•	•	•	10-50	GREEN	Y	Y
SAFE-VIS	Brine viscosifier	•	•	•	•			0.5-4	YELLOW		
SAFE-VIS E	Liquid viscosifier for brines			•				5-10			
SAFE-VIS HDE	Liquid viscosifier for high-density brines	•		•	•			14-29			
SAFE-VIS OGS	Specially formulated liquid HEC			•				.6-1.2 gal/bbl			
SP-101	Sodium polyacrylate polymer	•	•	•	•			0.5-2			Y
TANNATHIN	Ground lignite	•	•	•	•			1-15			Y
THRUCARB	Carbonate for the FLOTHRU system		•	•				5-12			Y
THRUCARB 20	Sized carbonate for the FLOTHRU system		•	•				5-12			
THRUTROL	Organicphillic starch for the FLOTHRU system		•	•				10-15	YELLOW		Y
VERSATROL	Naturally occurring gilsonite					•		2-8	RED		
VERSATROL HT	High-temperature gilsonite					•		2-8	RED		
VERSATROL M	Medium softening point Gilsonite					•		2-8	RED		
VINSEAL	FCA & electrical stability additive	•	•	•	•	•		2-20			
XP-20 N	Chrome lignite, neutralized	•		•	•			1-15			
MONTELLO											
MON PAC	Polyanionic cellulose	•	•	•	•			0.25-2			Y
MON PAC ULTRA LO	Polyanionic cellulose	•	•	•	•			0.25-2			Y
NEWPARK FLUIDS SYSTEMS											
CYBERTROL	Polymeric HPHT filtration control agent						•	1-5			Y
DYNALOSE CM	Carboxymethylated startch	•	•	•	•						Y
DYNALOSE W	White starch	•	•	•	•			2-6			Y
DYNALOSE Y	Yellow starch	•	•	•	•			2-6			Y
DYNANITE	Filtrate control agent	•	•	•	•	•	•	2-6			Y
DYNAPLEX	Resin	•	•	•	•			1-8			Y
EVOTROL	Filtrate control agent	•	•	•	•			0.5-2			Y
EVOTROL HT	HPHT polymeric fluid loss control agent	•	•	•				0.5-2			
GAGETROL	Fluid loss control	•	•	•	•			4			Y
KRONOTROL	Polymeric filtration control agent					•	•	1-5			
KRONOTROL HT	Polymeric filtration control agent					•	•	1-5			
KRONOTROL XT	Polymeric filtration control agent					•	•	1-5			
NEWEDGE	Fluid conditioner and fluid loss reducer	•	•	•	•	•	•	2-10	Y		
NEWLIG	Lignite	•	•	•	•			2-5			Y
NEWPAC LV	Polyanionic cellulose	•	•	•	•			0.25-2	Y		Y
NEWPAC PLV	Premium-grade polyanionic cellulose	•	•	•	•			0.25-2			Y
NEWPAC PR	Premium-grade polyanionic cellulose	•	•	•	•			0.25-2			Y
NEWPAC R	Polyanionic cellulose	•	•	•	•			0.25-2	Y		Y
NTEGRAL V	Polymeric filtration control agent	•	•	•	•			1-4	Y		
NTEGRAL X	Polymeric filtration control agent	•	•	•	•			1-4	Y		
OPTI G	Filtrate control agent	•	•	•	•	•	•	2-6			
OPTILIG	Amine treated lignite					•	•	1-12			
OPTITROL	Polymeric HPHT filtration control agent					•		2-5			Y
NOV FLUIDCONTROL											
AQUA-FILM CM	Carboxymethyl starch	•	•	•	•			2 to 5 lbs/bbl			
AQUA-FILM HP	Non-ionic hydroxypropyl starch	•	•	•	•			2 to 5 lbs/bbl			
AQUA-FILM HT	High temperature stable starch	•	•	•	•			2 to 5 lbs/bbl			
AQUA-FILM W	Pregelatinized white starch	•	•	•	•			2 to 5 lbs/bbl			
AQUA-FILM Y	Pregelatinized yellow starch	•	•	•	•			2 to 5 lbs/bbl			
AQUA-FILM T	Tapioca starch	•	•	•	•			2 to 5 lbs/bbl			
ATL-NAF	Filtration control additive					•	•	1 to 6 lbs/bbl			Y
EP-CHEK	Polymeric HTHP filtration control					•	•	.25 to 4 lbs/bbl			
ECOPHALT 300	Mineral asphalt, powdered, for NAF	•	•	•	•	•	•	1 to 6 lbs/bbl			
ECOPHALT 350	Mineral asphalt, powdered, for NAF	•	•	•	•	•	•	1 to 6 lbs/bbl			
HEC-LINK 11	HEC gel				•	•		0.5 to 2 lbs/bbl			
HEC-LINK 14	HEC gel				•	•		0.5 to 2 lbs/bbl			
NOV LIG	Oxidized leonardite or lignite	•			•	•		2 to 6 lbs/bbl			
NOV LIG R	Resinated lignite	•			•			2 to 6 lbs/bbl			
NOV LIG K	Potassium lignite	•			•	•		2 to 6 lbs/bbl			
NOV LIG PH	Causticized lignite	•			•	•		2 to 6 lbs/bbl			
NOV PAC LV	Polyanionic cellulose, low molecular weight	•	•	•	•			0.5-2 lbs/bbl			Y
NOV PAC R	Polyanionic cellulose, regular	•	•	•	•			0.5-1 lbs/bbl			Y
NOV PAC Plus LV	Polyanionic cellulose, low molecular weight	•	•	•	•			0.5-2 lbs/bbl			Y
NOV PAC Plus	Polyanionic cellulose	•	•	•	•			0.5-1 lbs/bbl			Y
PAVE-PLEX	Sulfonated asphalt/causticized lignite filtration control	•	•	•	•			2 to 6 lbs/bbl			
C-BLOCK 12	Blended carbon filtration control additive	•	•	•	•			2 to 6 lbs/bbl			
POLY-SPA	Sodium polyacrylate	•	•	•	•			1-2 lbs/bbl			
SO/LO FLC	Fluid loss control additive for low solids SO/LO system					•	•	0.25 to 2 lbs/bbl			
STARTROL	Sulfonated asphalt blend, HTHP	•	•	•	•			2 to 6 lbs/bbl			
PRIME ECO GROUP, INC.											
DT-SAS	Sulfonated asphalt	•	•	•	•			4-10	N	N	Y
PERFOREX-XP	Propietary HTHP for OBM	•	•	•	•			0.2-8			Y
QUICK SLIP	Chemically reacted cellulose	•	•	•	•			0.2-8			Y
TRUE SEAL	Filtration control additive for depleted zones	•	•	•	•	•	•	4-6 ppb			Y
PT. INDOBENT WIJAYA MINERAL											
INDOBENT	Bentonite (API 13A)	•			•			15-25			Y
QMAX											
FILTRAVIS	Proprietary Fluid Loss Reducer	•	•	•	•			0.2 - 2			
MAXLIG	Organophilic lignite					•	•	2 - 8			
MAXTEMP F	Filtrate reducer for WBM - HT applications	•	•	•	•			1 - 4			
MMO FLR	Filtrate reducer for MMO system		•		•			4 - 6			
QLIG CP	Causticized lignite	•		•	•			2 - 8			
QLIG CS	Causticized lignite	•		•	•			2 - 8			
QLIG RS	Resinated lignite	•		•	•			2 - 8			
QLIG RSP	Resinated lignite with potassium	•		•	•			2 - 8			
QMAX SP	Polyacrylate polymer		•	•	•			1 - 3			
QMAXTROL	Filtrate reducer for NAF					•	•	3 - 8			
QMAXTROL HT	Polymeric filtrate reducer for NAF					•	•	0.5 - 2.0			
QPAC HV	High Viscosity Polyanionic cellulose	•	•	•	•			0.25 - 2.5			Y
QPAC LV	Low Viscosity Polyanionic cellulose	•	•	•	•			1 - 3			Y
QPAC HVP	High Viscosity Polyanionic cellulose premium	•	•	•	•			0.2 - 1.5			Y
QPAC LVP	Low Viscosity Polyanionic cellulose premium	•	•	•	•			1 - 3			Y
QPAC ULV	Ultra low viscosity polyanionic cellulose	•	•	•	•			1 - 4			Y
QSTAR ENV	Starch for WBM	•	•	•	•			2 - 6			Y
QSTAR HT	Starch for WBM - HT applications	•	•	•	•			2 - 6			Y
QSTAR MT	Starch for WBM - Moderate temperature applications	•	•	•	•			2 - 6			Y
QTROL	Filtrate reducer for NAF					•	•	3 - 8			
QTROL HT	Filtrate reducer for NAF - HT applications					•	•	4 - 8			
QTROL LHT	Liquid Filtrate reducer for NAF - HT applications					•	•	1 - 6			
QUARON N.V.											
MC CMS HV	Carboxy methylated starch hivis	•	•	•	•			3-7			
MC CMS LV	Carboxy methylated starch lovis	•	•	•	•			3-7			
MC DS	Drilling starch	•	•	•	•			3-7			
MC DS FR	Drilling starch non fermenting	•	•	•	•			3-10			
MC DS HT	Modified starch, 160°C, 320°F	•	•	•	•			4-10			
MC DS HV	Modified starch, high viscous	•	•	•	•			2-5			
MC DS MT	Modified starch, 140°C, 280°F	•	•	•	•			4-10			
MC PAC PL	Pure ultralovis PAC	•	•	•	•			2-5			
MC PAC PLE	Pure ultralovis PAC equivalent	•	•	•	•			2-5			
MC PAC PR	Pure regular PAC	•	•	•	•			2-5			
MC PAC TL	Techn.ultralovis PAC	•	•	•	•			2-5			
MC PAC TLE	Techn.ultralovis PAC equivalent	•	•	•	•			2-5			
MC PAC TR	Technical regular PAC	•	•	•	•			2-5			
MC POL HT	Modified synth.polymer 200° C, 400° F	•	•	•				4-8			
SETAC CORP.											
BOREMASTER	HP/HT FLC, shale stabilizer	•	•	•	•	•	•	1-6			Y
Boremaster OB	Non Asphaltic HP/HT FLC					•		2-20			
Boremaster HT	Extreme temperature HP/HT FLC	•	•	•	•	•		2-10			
SUN SPECIALTY PRODUCTS											
BLACKNITE	Multi-particle sealing in liquid dispersion	•	•	•	•			1-2%			Y
C-MUL (PAO)	PAO ROP enhancer	•	•	•	•			3%			Y
COASTALUBE (PAO)	PAO-based lubricant and ROP enhancer	•	•	•	•			3%			Y
GUMBO SHIELD	Gumbo inhibitor	•	•	•	•			3%			Y
SX-PLUS	Carbon seepage loss agent	•	•	•	•			3-6 lbs/bbl			Y
TBC-BRINADD											
FL-7 PLUS	Derivatized starch		•	•	•			1-6			
FORMATROL	Derivatized starch		•					5			
THERMASAL A	Oxygen scavenger	•	•	•				1.0			
THERMASAL B	Alkalinity control agent	•	•	•				2-5			
THERMACARB	High temperature stabilizer	•	•	•				1-6			
CM-TH	Pretreatment for cement contamination							2-5			

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GLYSOL	Derivatized starch							6-10			
GLYSOL SF 400M	Glycol		•	•	•						
POLYTEX AHT	Organic polymer		•	•	•			3-7			
TETRA TECHNOLOGIES, INC.											
BIOPOL	Dry viscosifier			•	•						
BIOPOL HT	Dry viscosifier, high-temperature			•	•						
BIOPOL L	Liquid viscosifier			•	•						
HYDROGEN PEROXIDE	Oxidizer			•	•						
PAYZONE 750	Temperature stabilizer			•	•						
PAYZONE HPS	High performance starch	•	•	•	•						
TETRAVIS	Dry HEC polymer			•	•						
TETRAVIS BREAKER	Viscosity breaker			•	•						
TETRAVIS EXTENDER	Temperature stabilizer			•	•						
TETRAVIS L	Liquid HEC polymer			•	•						
TETRAVIS L PLUS	Double strength liquid HEC viscosifier				•	•					
TETRAVIS L PLUS GOLD	Double strength liquid HEC viscosifier - Hydrocarbon-free, Environmentally-friendly				•	•					
TURBO-CHEM INTERNATIONAL											
PREMIUM SEAL	Micronized cellulose fiber	•	•	•	•	•	•	4-10 ppb			Y
BORE-SEAL 100	Preventative Wellbore Strengthening	•	•	•	•	•	•	4-20 ppb			Y
SYN SEAL	Preventative Wellbore Strengthening	•	•	•	•	•	•	4-20 ppb			Y
TURBO-PHALT	Gilsonite/resin	•	•	•	•			4-10 ppb			Y
FLOCCULANTS											
AES DRILLING FLUIDS											
ENERFLOC	Highly effective polymer flocculant forwater based fluids and dewatering	•	•	•	•						
BASF											
Alcomer 24	Polyacrylamide-based polymers		•	•	•						
Alcomer 80 types	Polyacrylamide-based polymers		•	•	•						
Alcomer 90 types	Polyacrylamide-based polymers		•		•						
Alcomer 750 types	Polyacrylamide-based polymers				•						
Alcomer 780 types	Polyacrylamide-based polymers				•						
Alcomer 810 types	Polyacrylamide-based polymers				•						
Alcomer 880 types	Polyacrylamide-based polymers		•	•	•						
ELGIN SEPARATION SOLUTIONS											
KAN-FLOC 506P	Polyacrylamide, powder, low charge	•	•		•			0.1-0.3			
KAN-FLOC E50	Polyacrylamide, emulsion, low charge	•	•	•	•			0.1-0.3			
KAN-FLOC 1000DW	Polyacrylamide, powder, low charge	•	•		•			0.1-0.3			
KAN-FLOC 2000DW	Polyacrylamide, powder, low charge	•	•		•			0.1-0.3			
KAT-FLOC F97	Polyacrylamide, powder, med. charge	•	•		•			0.1-0.3			
KAT-FLOC E8607	Polyacylamide, emulsion, high charge					•		0.1-0.3			
KAT-FLOC 1600XX	Polyacylamide, emulsion, high charge					•		0.1-0.3			
POLY-KEM D	Polyacrylamide, Powder, med. charge	•	•	•	•			0.25-1.0			
POLY-KEM L	Polyacrylamide, emulsion, med. charge	•	•	•	•			0.5-2.0			
GLOBAL AM-TX											
GLO FLOC - NI											
GLO FLOC - EZ NI											
KELCO OIL FIELD GROUP											
BEN-EX	Bentonite extender selective flocculant	•			•			0.025-0.04			Y
FINNPOL 35	Partly hydrolized acrylamide	•		•	•			0.1-2			
FINNPOL 215	PHPA high m. w.	•		•	•			0.2			
FINNPOL 320	PHPA extreme high m. w.	•		•	•			0.2			
MF-1	Polyacrylamide (nonionic)	•	•	•	•			0.02-0.04			Y
MF-55	Polyacrylamide (nonionic) liquid	•	•	•	•			0.02-0.04			Y
LAMBERTI SPA											
DRILLAM EL	PHPA shale inhibitor	•	•	•	•			0.3-3			
M-I SWACO											
FILTER FLOC	Flocculant for displacements			•	•			0.01-2.0 vol%			
FLOXIT	Organic flocculant		•		•			0.1-2			
GELEX	Polymer bentonite extender		•		•			0.05-0.2			
POLY-PLUS	High M.W. PHPA polymer		•	•	•			0.5-4			Y
POLY-PLUS DRY	Dry PHPA polymer		•	•	•			25-2			
POLY-PLUS LV	Low-viscosity PHPA polymer		•	•	•			.25-2			
POLY-PLUS RD	Readily dispersible powdered high m. w. PHPA		•	•	•			0.5-4			
SAFE-FLOC II	Surfactant / solvent blend			•	•			1-4%			
SAFE-FLOC III	Clear Brine flocculant			•	•			1-4%			
NOV FLUIDCONTROL											
INTELLI-FLOC 110	Selective flocculation of low gravity solids, nonionic	•	•	•	•			0.1 to 1 lbs/bbl			
INTELLI-FLOC ULTRA	Anionic flocculant for brines, anionic	•		•	•			0.5-1.5 lbs/bbl			
INTELLI-FLOC II	Cationic total flocculant	•		•	•			0.5-1.5 lbs/bbl			
INTELLI-FLOC 1	Anioni flocculant for dewatering	•		•	•			0.5-1.5 lbs/bbl			
INTELLI-FLOC 407	Cationic flocculant for improving solids removal	•	•	•	•			0.5 to 1%			Y
QMAX											
QSTRIP	Stripping polymer for Floc Water Drilling	•	•		•			0.01 - 1			
MAXCAP C	Cationic flocculant	•	•		•			0.2 - 1.5			
MAXCAP D	Encapsulating polymer	•	•	•	•			0.2 - 1			Y
MAXCAP II	Low molecular weight anionic polymer	•	•	•	•			1 - 3			
MAXCAP L	Emulsion of high molecular weight flocculant polymer	•	•	•	•			0.5 - 2			
MAXCAP LV	Low molecular weight polyacrylamide	•	•	•	•			1 - 3			
QMAXCAP	Low molecular weight, acrylic acid copolymer	•	•	•	•			2 - 4			
TETRA TECHNOLOGIES, INC.											
TETRAFLOC CB	Polymer blend - flocculates solids in non-zinc brine systems			•	•						
TETRAFLOC ZCB	Polymer blend - flocculates solids in zinc brine systems			•	•		•				
FRICTION REDUCER FOR COIL TUBING											
CHEMTOTAL											
PAM-FR	Slurried Anionic Acrylamide based FR	•	•	•	•	•			N	N	Y
DRILLING SPECIALTIES CO.											
HE 150 POLYMER	Friction reducer	•	•	•	•			0.1-0.2		Y	Y
LIQUID HE 150 POLYMER	Friction reducer	•	•	•	•			0.1-0.2		Y	N
FLOWZAN BIOPOLYMER	Friction reducer	•	•	•	•			0.25-2.0		Y	Y
NEWPARK FLUIDS SYSTEMS											
DEFLECT	Friction reducer for coiled tubing		•	•				.2-2			
DIRECT	Metal-on metal lubricant for coiled tubing		•	•				3-18			
GELLING AGENTS/ VISCOSIFIERS											
ADM EVOLUTION CHEMICALS											
OPTIXAN D	Dispersed Xathan gum biopolymer	•	•	•	•			0.25-2.0			Y
OPTIXAN DT	Clarified Dispersed Xathan gum biopolymer	•	•	•	•			0.25-2.0			Y
OPTIXAN	Xanthan Gum biopolymer	•	•	•	•			0.25-2.0			Y
OPTIXAN FG	Xanthan Gum biopolymer	•	•	•	•			0.25-2.0			Y
OPTIXAN T	Transparent Disp Xathan gum biopolymer	•	•	•	•			0.25-2.0			Y
AES DRILLING FLUIDS											
AES VIS	Organophillic Clay for oil based systems					•	•				
AES VIS II	Premium Organophillic Clay for all oil based fluid systems.					•	•				
AES VIS III	Organophillic Clay for oil and synthetic based systems					•	•				
AES VIS LS	Optimal low shear rate rheology control in oil muds					•	•				
GEL	Premium Grade API Bentonite Gel for water based systems	•	•	•	•						
ENERVIS RM	Superior liquid Rheology modifier for oil based fluids					•	•				
ES-RM	Rheology Modifier for ENERSEAL system		•	•	•						
TRU VIS	High performance organophillic clay for mineral and synthetic based systems					•	•				
AKZO NOBEL											
GABROIL PAC HIVIS	PAC high viscosity technical (improved)	•	•	•	•			0.2-3			Y
GABROIL HV	PAC high viscosity technical	•	•	•	•			0.2-3			Y
GABROSA EHVT	CMC extra high viscosity techncal	•	•	•	•			0.2-4			Y
GABROSA HVT	CMC high viscosity technical	•	•	•	•			0.2-4			Y
STAFLO REGULAR	PAC high viscosity pure	•	•	•	•			0.2-2			Y
ASAP FLUIDS											
ASAP TEX CP	Modified gum	•	•	•	•			2-5			Y
ASAP ZAN	Xanthan Gum	•	•	•	•			0.5-2.0			Y
ASAP BEN	Bentonite	•	•	•	•			10-30			Y
BASF											
DC-150	Attapulgite			•				20-30			
Alcomer 120B	Shale Inhibitors / Viscosifier		•	•	•						
Alcomer 130	Viscosifier		•	•	•						
Alcomer 274	Viscosifier for oil-based mud					•	•				
Alcomer 275	Viscosifier for oil-based mud					•	•				
Polyvis II	Viscosifer		•	•	•						
BAKER HUGHES											
AKVO XAN D	Powdered xanthan gum with enhanced dispersibility				•	•		0.25-3 ppb			
CARBO-GEL	Organophilic clay for solids suspension					•	•	1-5 ppb	Y		

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CARBO-GEL II	Quick-yielding organophilic clay for solids suspension					•	•	4-8 ppb	Y		
CARBO-TEC S	Supplemental viscosifier in invert emulsion fluids					•	•	Up to 0.6 gal/bbl	Y		
DEEP SWEEP	Coarse-ground barite to improve hole cleaning	•	•	•	•	•	•	As needed			
DELTA-GEL	Viscosifier and suspension agent in DELTA-TEQ low-pressure impact drilling fluid					•	•	1-4 ppb			
DELTA-GEL PLUS	Organophilic clay for DELTA-TEQ low-pressure impact drilling fluid					•	•	2-6 ppb	Y		
DELTA-HOLD	Suspension enhancer for DELTA-TEQ low-pressure impact drilling fluid					•	•	1-5 ppb	Y		
DELTA-LIFT	Low-end rheology modifier for DELTA-TEQ low-pressure impact drilling fluid					•	•	0.5-4 ppb			
DELTA-MOD	Low-temperature rheology modifier for DELTA-TEQ low-pressure impact drilling fluid					•	•	0.5-4 ppb			
EPI-VIS 4063	Rheology modifier for invert emulsion systems					•	•	1-4 ppb			
INVO CLAY I	High-temperature viscosifier for invert emulsioin drill-in fluids					•	•	2-6 ppb			
INVO CLAY II	Viscosifier and suspension agent for invert emulsioin drill-in fluids					•	•	1-5 ppb			
INVO GEL	Viscosifier and suspension agent for invert emulsion drill-in fluids					•	•	1-5 ppb			
KLARO VIS	HEC viscosifier			•	•			1-3 ppb			
LATIBASE	Multi-functional additive	•	•	•	•			2-10ppb			
MAGMA-GEL	Organophilic clay for MAGMA-TEQ extreme HPHT emulsion system					•	•	1-6 ppb	Y		
MAGMA-GEL SE	Suspension enhancer for MAGMA-TEQ extreme HPHT emulsion system					•	•	1-5 ppb	Y		
MILGEL	Wyoming bentonite meeting API specifications	•	•	•	•			0-25 ppb	Y	Y	Y
MILGEL NT	Untreated Wyoming bentonite meeting API specs	•	•	•	•			0-25 ppb	Y	Y	Y
NEXT-HOLD	A unique organophilic clay for cuttings suspension					•	•	5-14 ppb			
NEXT-LIFT	Rheology modifier for invert emulsion systems						•	2-6 ppb			
NEXT-LIFT UL	Rheology modifier for invert emulsion systems						•	1-2 ppb			
OMNI-PLEX	High-performance, anionic, synthetic polymer rheology modifier for invert emulsion systems					•	•	0.05-0.25 ppb			
PRIME VIS HT	Viscosifier for high temperature displacements							3-10 ppb			
QUICK VIS	Liquid brine viscosifier - multi-salt systems			•	•			As needed		Y	
QUICK VIS HT	Liquid brine viscosifier - HT environment			•	•			As needed			
RHEO-CLAY	Fast yielding organophilic clay for RHEO-LOGIC deepwater system					•	•	2-4 ppb	Y		
RHEO-CLAY PLUS	Temperature-stable organophilic clay for RHEO-LOGIC deepwater system					•	•	2-4 ppb	Y		
RHEO-LINE HT	Organic polymeric viscosifier for RHEO-LOGIC deepwater system- HT environment						•	0.5-3 ppb			Y
SALT WATER GEL	Attapulgite clay meeting API specifications	•	•	•				20 ppb			Y
SUPER-COL	Exrta-high-yield bentonite	•			•			0.5-5 ppb			Y
ULTRAVIS	Liquid brine viscosifier -single salt systems			•	•			As needed		Y	
XAN-PLEX D	Xanthan gum polymer with dispersant	•	•	•	•			0.2-2 ppb			Y
XAN-PLEX eL	Clarified liquid xanthan gum polymer suitable for North Sea	•		•	•			0.5-3.0 ppb	Y	Y	
XAN-PLEX L2	Non-settling, high molecular weight, liquid xanthan gum polymer	•		•	•			0.5-3.5 ppb			Y
CHEMSTAR PRODUCTS											
EXSTAR HT	HT viscosifier	•	•	•	•			5			Y
STARPAK	Carboxy methyl starch	•	•	•	•			5			
STARPAK II	Carboxy methyl starch	•	•	•	•			4			
STARPAK DP	Carboxy methyl starch	•	•	•	•			4			
CHEMTOTAL											
FHG290	Diesel Slurriable Fast Hydrating Guar (FHG)	•	•	•	•			0.25 – 2	Y	N	Y
FHG280	Fast Hydrating Guar Gum Powder 10000 cps	•	•	•	•			0.25 – 2	Y	N	Y
FHG270	FHG Guar 7500-8000 cps (40/45 cps)	•	•	•	•			0.25 – 2	Y	N	Y
CMHPG-MV	CMHPG (Carboxymethyl Hydroxypropyl Guar)	•	•	•	•			0.25 – 2	Y	N	Y
CMHPG-HV	CMHPG 40+ cps	•	•	•	•			0.25 – 2	Y	N	Y
XG-FG	Xanthan Gum Bio-polymer	•	•	•	•			0.25 – 2	Y	N	Y

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FG21	Guar gum substitute – HPHT	•	•	•	•			1 – 5	Y	N	Y
CRODA											
HYPERMER A70	Emulsifier for oil-based muds					•	•	1-5%			
HYPERMER B246SF	Emulsifier for oil-based muds					•	•	1-5%			
Pripol 1029	Viscosifier for oil-based systems					•		1-5%			
Pripol 1045	Viscosifier for oil-based systems					•		1-5%			
Priamine 1074	Viscosifier for oil-based systems					•		1-5%			
DEEP SOUTH CHEMICAL											
ARDS Spacer Mix	A mixture of clays and polymer			•	•						
ARDS 85 Gel -E	Thermally stable liquid viscosifiers			•	•						
BP 85 Gel-E	Thermally stable liquid viscosifiers			•	•						
DSC HEC	Non-ionic pure hydroxyethyl cellulose			•	•			0.5-3			
LIQUID GUAR E	Liquid viscosifiers using ummodified guar			•	•			0.04			Y
DSC HEC Linear Gel	Hydroxyethyl cellulose polymer			•	•			0.5-3			
DSC HEC Linear Gel E	Hydroxyethyl cellulose polymer			•	•			0.5-3			Y
HEC Linear Gel EXTENDER 75	Enhances thermal stability of HEC			•	•			0.3-0.4			
DRILLING SPECIALTIES CO.											
DRILLPAC HV POLYMER	High viscosity polyanionic cellulose	•	•	•	•			0.25-2.5		Y	Y
DRILLPAC LV POLYMER	Low viscosity polyanionic cellulose	•	•	•	•			0.25-2.5		Y	Y
DRILLZAN D BIOPOLYMER	Economical high viscosity biopolymer	•	•	•	•			0.25-2.0		Y	Y
DRISCAL D POLYMER	High temperature synthetic polymer	•	•	•	•			0.5-2.5		Y	Y
DRISPAC PLUS REGULAR	Dispersable HV polyanionic cellulose	•	•	•	•			0.25-2.5		Y	Y
DRISPAC PLUS SUPERLO	Dispersable LV polyanionic cellulose	•	•	•	•			0.25-2.5		Y	Y
DRISPAC REGULAR POLYMER	High viscosity polyanionic cellulose	•	•	•	•			0.25-2.5		Y	Y
DRISPAC SUPERLO POLYMER	Low Viscosity polyanionic cellulose	•	•	•	•			0.25-2.5		Y	Y
FLOWZAN BIOPOLYMER	High viscosity biopolymer	•	•	•	•			0.25-2.0		Y	Y
HE 150 POLYMER	High viscosity synthetic polymer	•	•	•	•			1.0-2.0		Y	Y
LIQUID HE 150 POLYMER	High viscosity synthetic polymer	•	•	•	•			2.0-4.0		Y	Y
LIQUID DRISPAC POLYMER	High viscosity polyanionic cellulose	•	•	•	•			0.5-4.0		Y	N
LIQUID FLOWZAN BIOPOLYMER	High viscosity biopolymer	•	•	•	•			0.5-4.0		Y	N
LIQUID HEC POLYMER	High viscosity pure hydroxyethyl cellulosic polymer	•	•	•	•			0.5-5.0		Y	N
DRILL-WELL D294 RMA	Flat Rheology modifer of invert oil based drilling fluids good to 325 °F hot roll					•	•				
DRILLSAFE JANEL											
BENTONITE	OCMA bentonite	•	•	•	•						
MULTIVIS A	Cellulosic viscosifier	•	•	•	•			0.1-0.5			
MULTIVIS S	Modified polysaccharide	•	•	•	•			0.05-0.1			
SALT GEL	Salt water drilling clay	•	•	•							
ECO FLUIDS											
ECO OBGEL	Orgnophylic clay					•		2 - 10			
ECO PBGEL	Organophylic clay					•	•	2 - 10			
ECOFLO	Xanthan gum	•	•	•	•			0.25 - 1			Y
ECOMOD	Oil mud viscosifier					•	•	0.25 - 2			
ECO-EX	Bentonite Extender	•	•	•	•						Y
ECOVIS-HT	Filtrate Reducer HTHP	•	•	•	•			2 - 6			Y
EMERY											
DEHYDRIL HT	Synthetic silicate				•			0.5-2.5			
TERRADRIL V 300	Rheology modifier					•	•	1-5			
TERRADRIL V 1075	Low end rheology modifier					•	•	0.5-2			
GLOBAL AM-TX											
GLO-GUAR		•									
GLO-HPG		•									
GLO-CMHPG		•									
GLO-HEC		•									
GUMPRO											
GEL TEX CP	Modified gum	•	•	•	•			2-5			Y
GEL ZAN	Xanthan Gum	•	•	•	•			0.5-2.0			Y
GEL BEN	Bentonite	•	•	•	•			10-30			Y
KELCO OIL FIELD GROUP											
BIOZAN	Welan gum	•	•	•	•			0.75-2			Y
CELPOL R	Purified PAC high visc	•	•	•	•			0.25-2		Y	Y
CELPOL RX	Purified PAC high visc	•	•	•	•			0.25-2		Y	Y
CELPOL SL	Purified PAC low visc	•	•	•	•			0.25-2		Y	Y
CELPOL SLX	Premium purified PAC low visc	•	•	•	•			0.25-2		Y	Y
FINNFIX BOL	Middle visc tech CMC	•	•	•	•			2-3		Y	Y
FINNFIX HC	High visc tech CMC	•	•	•	•			2-3		Y	Y
FINNFIX LC	Low visc tech CMC	•	•	•	•			2-3		Y	Y
FINNFIX RC	Middle visc tech CMC	•	•	•	•			2-3		Y	Y

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GEOVIS XT	Diutan temperature tolerant bipolymer	•	•	•	•			0.4-1.5			Y
KELZAN L	Liquid xanthan slurry	•	•	•	•			0.75-2		Y	Y
KELZAN XC POLYMER	Xanthan gum biopolymer	•	•	•	•			0.75-2		Y	Y
KELZAN XCD POLYMER	Dispersible xanthan biopolymer	•	•	•	•			0.75-2		Y	Y
XANVIS L	Refined clarified liquid xanthan slurry	•	•	•	•			0.75-2			Y
XANVIS POLYMER	Clarified xanthan biopolymer	•	•	•	•			0.75-2		Y	Y
LAMBERTI SPA											
BIOLAM XG LS	Liquid xanthan viscosifier	•	•	•	•			0.25-2			Y
BIOLAM XG	Xanthan gum viscosifier	•	•	•	•			0.2-2			Y
CARBOCEL EHV	Extra high visc. CMC according to API/ISO	•	•	•	•			0.2-4		Y	Y
CARBOCEL HV	High viscosity technical grade CMC	•	•	•	•			0.2-4		Y	Y
CEPAC REGULAR	High viscosity technical grade PAC	•	•	•	•			0.2-3		Y	Y
DRILLAM EL	Liquid PHPA	•	•	•	•			0.3-3			
EMULAM REO1	Low shear rate rheology modifier					•	•	0.5-2	Y		Y
EMULAM RM	Rheology modifier for OBM					•	•	1-4			
EMULAM RM 3	Rheology Modifier for invert emulsion systems based on Diesel					•	•	1-4			
EMULAM RM 77	Rheology modifier for OBM					•	•	1-4			
EMULAM VIS	Organoclay / Gelling agent for OBM					•	•	1-5			
EMULAM V PLUS	High yield Organoclay / Gelling agent					•	•	1-5			
LAMGUM 200	High viscosity guar gum	•	•	•	•			0.2-4		Y	Y
LAMPAC CHR	High visc., premium grade, purified PAC	•	•	•	•			0.2-2		Y	Y
LAMPAC REGULAR	High visc., purified PAC, according to API/ISO	•	•	•	•			0.2-2		Y	Y
LAMPAC NFE-R	Dispersible - Purified premium HV PAC	•	•	•	•			.2-2		Y	Y
LAMBERTI USA											
EMULAM RM3	Rheology Modifier for Invert muds					•	•	0.5-3			
EMULAM RMD	Rheology Modifier for Diesel muds					•	•	0.5-3			
EMULAM VIS	Organoclay					•	•	1-10			
EMULAM V-PLUS	Organoclay					•	•	1-8			
POLYFLOS G7F	Guar Gum viscosifier	•	•	•	•			0.5-4			
LIQUID CASING											
WORKOVER	Non-damaging polymers			•	•			2			
WORKOVER 2000	Non-damaging polymers			•	•			2			
MAYCO WELLCHEM											
MAYCO HELP	Polymer temperature extender	•	•	•	•			1-5			
MAYCO LIVIS	Liquid viscosity agent	•	•	•	•			1-6			
MAYCO VIS EXTRA	Viscosity control agent	•	•	•	•			1-3			
M-I SWACO											
DI-BALANCE	Viscosifier for the DIPRO system			•				0.25-2	GREEN	Y	
DRILPLEX	Viscosifier for DRILPLEX system		•		•			1-3	GREEN	Y	Y
DUO-TEC	Xanthan gum polymer	•	•	•	•			0.25-2			
DUO-TEC NS	Xanthan gum polymer, non-dispersible for North Sea use	•	•	•	•			0.25-2	GREEN	Y	
DUO-VIS	Xanthan gum dispersible polymer	•	•	•	•			0.25-2			Y
DUO-VIS L	Liquified Xanthan gum, non-clarified	•	•	•	•			0.25-0.5			
DUO-VIS NS	Xanthan gum, non-dispersible for North Sea use	•	•	•	•			0.5-2.5			
DuraMod	Flat rheology system modifier					•	•	1.0-9.0			
FLO-VIS L	Non-dispersible clarified Xanthan gum	•	•	•	•			0.25-0.5 gal/bbl			Y
FLO-VIS PLUS	Premium clarified Xanthan for FLOPRO NT systems	•	•	•	•			0.75-2.25			Y
GELEX	Polymer bentonite extender		•		•			0.05-0.2			
GELITE	High-yield clay	•	•		•			5.0-35.0			
GELPLEX	Viscosifier for the DRILPLEX system		•					7-10	GREEN	Y	Y
HRP	Liquid viscosifier & gelling agent for oil muds					•		1-6	RED		
M-I GEL	Premium grade treated Wyoming bentonite	•	•	•	•			5-35			
M-I GEL SUPREME	Non-treated bentonite, API spec	•	•	•	•			5-35			Y
M-I GEL SUPREME WYOMING	Non-treated API Wyoming bentonite	•	•	•	•			5-35			
M-I GEL WYOMING	API-spec bentonite Wyoming source only	•	•	•	•			5-35			
M-I PAC R	Pure PAC polymer, regular grade	•	•		•			2-5	GREEN	Y	
NOVAMOD	Low-shear rate viscosifier						•	1-5			
POLYPAC R	Polyanionic cellulose	•	•	•	•			0.5-2	GREEN	Y	Y
POWER VIS	Viscosifier: creates less pump pressure & thermal convection				•			0.875-1.25			Y
POWER VIS L	Liquid version of POWER VIS viscosifier				•			0.125-0.5 gal/bbl			
Rapid Sweep	Water-soluble polymer stick	•			•						

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RHEFLAT PLUS	Rheology modifier for RHELIANT system						•	0.5-4			
SAFE-VIS	Brine viscosifier	•	•	•	•			0.5-4	YELLOW		
SAFE-VIS E	Liquid HEC			•				5-10			
SAFE-VIS HDE	Liquid HEC for high-density brines	•		•	•			14-29			
SAFE-VIS OGS	Specially formulated liquid HEC			•				0.6-1.2 gpb			
SALT GEL	Attapulgite clay	•	•	•	•			5-35			
SUREMOD	Viscosifier for SBM systems						•	1-4			
TRUVIS	Primary viscosifier for TRUDRIL systems					•		0-8	YELLOW 2		
VERSAGEL HT	Hectorite					•		0-8	RED		
VERSAMOD	Oil mud gelling agent and viscosifier					•		1-3			
VERSAMUL	Primary emulsifier and wetting agent					•		2-10			
VERSAPAC	Thermally activated organic thixotrope					•	•	5-30	YELLOW		
VG-69	Organophilic clay					•	•	2-10			Y
VG-PLUS	Improved organophilic clay					•	•	2-10	YELLOW 2		
VG-SUPREME	Organophilic clay for the invert emulsion systems						•	2-10	RED		
NEWPARK FLUIDS SYSTEMS											
CONNECT	Viscosifier for coiled tubing		•	•				0.5-3.5			
CYBERVIS DW50	Polymeric rheological modifyier					•	•	0.25-2.5			Y
CYBERVIS RM	Polymeric rheological modifyier					•	•	<4			Y
DEFLECT	Friction reducer for coiled tubing		•	•				.2-2			
EVOMOD	HPHT synthetic low-end rheology mod.		•					0.5-3.0			Y
EVOVIS	HPHT polymeric rheology modifier		•		•			0.25-6			Y
EVOVIS S	HPHT polymeric viscosifier	•	•	•				0.5-2			
GAGEVIS	MMO					•	•	0.8-1.2			
KRONOMOD	Polymeric rheological modifier					•	•	.025-2.0			
KRONOVIS	HPHT suspension additive					•	•	0.5-10.0			
NEWGEL	Montmorillonite	•	•	•	•			5-30			Y
NEWGEL NT	Untreated montmorillonite	•	•	•	•			5-30	Y		Y
NEWZAN D	Biopolymer	•	•	•	•			0.2-2	Y		Y
NTEGRAL I	Polymeric viscosifier and encapsulater	•	•	•	•			1-3		Y	
OPTIVIS RM	Polymeric rheological modifyier					•		<4			
NOV FLUIDCONTROL											
HEC-VIS L	Viscosifier - liquid	•	•	•	•			0.25-4 lbs/bbl			Y
ISO-DRILL	PHPA dispersion	•	•	•	•			0.5 to 2 lbs/bbl			
ISO-DRILL LV	Low molecular weight PHPA	•	•	•	•			0.5 to 2 lbs/bbl			
ISO-DRILL Plus	PHPA dispersion 50%	•	•	•	•			0.5 to 2 lbs/bbl			
ISO-DRILL RD	Granular PHPA	•	•	•	•			0.5 to 2 lbs/bbl			Y
CEP	Polymeric viscosifier emulsion for NAF					•	•	.5 - 4 lbs/bbl			
COLDFLOW	Flat rehology modifier					•	•	.25 - 2 lbs/bbl			
FLO-MOD TA	Low end rheology modifier for NAF					•	•	0.5 to 4 lbs/bbl			
FLO-MOD ESW	Low end rheology modifier for NAF offshore					•	•	0.5 to 4 lbs/bbl			
FLO-MOD EST	Low end rheology modifier for NAF onshore					•	•	0.5 to 4 lbs/bbl			
PREMA-VIS HT	Organophilic hectorite viscosifier for HT NAF applications					•	•	4 - 10 lbs/bbl			Y
PREMA-VIS	Organophilic bentonite clay					•	•	4 - 10 lbs/bbl			
PREMA-VIS Plus	Premium organophilic Wyoming bentonite clay					•	•	4 - 10 lbs/bbl			
PREMA-VIS CF	Organophilic bentonite clay, cold temperature					•	•	4 - 10 lbs/bbl			
PREMA-VIS RD	Organophilic bentonite clay, readily dispersed					•	•	4 - 10 lbs/bbl			
NOV GEL	Treated bentonite clay for aqueous drilling fluids	•	•	•	•			6 to 40 lbs/bbl			
NOV GEL NT	Non-treated bentonite clay for aqueous drilling fluids	•	•	•	•			6 to 40 lbs/bbl			Y
NOV GEL HY	Non-treated bentonite clay for aqueous drilling fluids	•	•	•	•			6 to 40 lbs/bbl			Y
NOV XAN D	Xanthan gum	•	•	•	•			0.25 to 4 lbs/bbl			Y
RHE-TEMP	Temporary viscosifier for NAF					•		1 - 4 lbs/bbl			
SO/LO VIS	Viscosifier for clay free SO/LO fluids					•	•	.25 to 2 lbs/bbl			
NOV XAN L	Xanthan gum	•	•	•	•			0.25-4 lbs/bbl			Y
OLEON N.V.											
EMS 6+	Rheology modifier					•	•	0,5 - 3%		N	Y
WELL.O RM.LD	Rheology modifier					•	•	0,5 - 3%		N	Y
WELL.O RM.MD	Rheology modifier					•	•	0,5 - 3%		N	Y
WELL.O RM.HD	Rheology modifier					•	•	0,5 - 3%		N	Y
WELL.O RM.LT	Rheology modifier					•	•	0,5 - 3%		N	Y
WELL.O RM.MT	Rheology modifier					•	•	0,5 - 3%		N	Y
WELL.O RM.HT	Rheology modifier					•	•	0,5 - 3%		N	Y

ENVIRONMENTAL DRILLING AND COMPLETIONS FLUIDS DIRECTORY

PRODUCT NAME	DESCRIPTION	Dispersed	Nondispersed	Saturated Salt	Fresh Water	Oil-Based	Synthetic Fluid	Normal Concentration Usage (lbs/bbl)	HOCNF Classification	PLONOR Listing Available	Passed LC50 Test
PRIME ECO GROUP, INC.											
BIOGUM	Xanthan gum	•	•	•	•						
VISCLAY-R	Bentonite extender for high and normal applications	•	•	•	•			0.75-1.25			Y
PT. INDOBENT WIJAYA MINERAL											
INDOBENT	Bentonite (API 13A)	•			•			15-25			Y
QMAX											
QXAN XCD	Dispersable - grade xanthan gum	•	•	•	•			0.25 - 2.0			Y
BENTONITE	Regular bentonite	•	•		•			3 - 20			Y
BENTONITE PREMIUM	Premium bentonite	•	•		•			3 - 15			Y
DRILSMOOTH	Viscosifier for MMO system		•		•			0.8 - 1			
GELVIS	Bentonite extender	•	•	•	•			0.01 - 0.1			
GUAR GUM	Polysaccharide polymer	•	•	•	•			0.25 - 5			
HEC	Hydroxyethyl cellulose	•	•	•	•			0.5 - 1.5			
MAX RM	Rheological modifier for NAF					•	•	0.5 - 2			
MAXCLAY	Organophilic clay for NAF					•	•	2 - 8			
MAXCLAY HT	Organophilic clay for HT applications					•	•	2 - 8			
MAXMOD	Rheological modifier for NAF					•	•	0.5 - 2			Y
MAXTEMP V	Synthetic viscosifier polymer for HT applications	•	•	•	•			0.25 - 3			
MAXVIS	Organophilic clay for NAF					•	•	2 - 8			Y
MAXVIS HT	Organophilic clay for HT applications					•	•	2 - 8			
QMAXMOD	Rheological modifier for NAF					•	•	0.25 - 1.5			
QMAXVIS	Polymeric viscosifier for NAF					•	•	0.5 - 5			
QMUL GEL	Organophilic clay for NAF					•	•	2 - 8			
QUICK VIS L	Organoclay activator					•	•	2 - 4			
QXAN	Xanthan gum	•	•	•	•			0.25 - 1.5			Y
QXAN L	Liquid xanthan gum	•	•	•	•			0.5 - 3			Y
QXAN PREMIUM	Xanthan gum - Premium	•	•	•	•			0.25 - 1.5			Y
QXAN XCD PLUS	Clarified dispersible xanthan gum	•	•	•	•			0.25 - 2			Y
QUARON N.V.											
MC FVIS	Viscosifier for bentonite free systems	•	•	•	•			3-6			
SUN SPECIALTY PRODUCTS											
SUNSWEEP	Mechanical hole cleaning agent	•	•	•	•	•	•	0.1-0.2 bls/bbl			Y
TBC-BRINADD											
FORMAVIS ULTRA	Xanthan gum							0.5-1.5			
GLYSOL SF 400M	Glycol		•	•	•						
AO-ACTIVATOR	Viscosity Enhancer										
AO-EPC	Viscosifier										
THIXSAL-ULTRA	Bioplymer and derivatized starch blend		•	•	•			4			
VIS ULTRA	Xanthan gum							0.5-1.5			
VIS ULTRA L	Liquid Xanthan gum		•	•	•						
TETRA TECHNOLOGIES, INC.											
ATAPULGITE	Saltwater gel			•	•						
BENTONITE	Freshwater gel			•	•						
BIOPOL	Dry viscosifier	•	•	•	•						Y
BIOPOL HT	Dry viscosifier	•	•	•	•						Y
BIOPOL L	Liquid viscosifier	•	•	•	•						Y
PAYZONE 750	Temperature stabilizer			•	•						
PAYZONE HPS	High performance starch	•	•	•	•						Y
TETRA HELP	Temperature extender - basic amine-glycol mixture			•	•						
TETRAFLEX 110 POLYMER	Cross Linked Gelled polymer	•	•	•	•						
TETRAFLEX 135 POLYMER	Cross Linked Gelled polymer	•	•	•	•						
TETRAVIS	Dry HEC polymer	•	•	•	•						Y
TETRAVIS EXTENDER	Temperature stabilizer			•	•						
TETRAVIS L	Liquid HEC polymer	•	•	•	•						Y
TETRAVIS L PLUS	Double strength liquid HEC viscosifier	•	•	•	•						
TETRAVIS L PLUS GOLD	Double strength liquid HEC viscosifier - Hydrocarbon-free, Environmentally-friendly			•	•						
TURBO-CHEM INTERNATIONAL											
SWELLCM	Gelled, swelling, sealing agent	•	•	•	•	•	•				Y
INTERVENTION FLUIDS											
M-I SWACO											
FLODENSE AP	High density displacing fluid for casing pressure remediation				•			17.5-20.5 ppg			
FLOPRO CT	Coiled tubing drilling / intervention fluid			•	•	•		8.5-9.5 ppg			
POWERPRO CT	HT Coiled tubing drilling / intervention fluid			•		•		8.5-9.5 ppg			
LOSS CIRCULATION, SEALING MATERIALS											
AES DRILLING FLUIDS											
CAL CARB MIX	Sized calcium carbonate use as bridging agent	•	•	•	•	•	•				
EO SEAL II	Additive for seepage losses, micro fracture sealant and well bore strengthening	•	•	•	•	•	•				
ENERLOC	Lost control additive for partial to severe losses	•	•	•	•	•	•				
MULTIFIBER	Cellulosic fiber blend for lost control	•	•	•	•	•	•				
PERMASEAL	Mineral fiber based materials for rapid sealing and healing losses.	•	•	•	•	•	•				
SILVERSEAL	Sized LCM blend	•	•	•	•	•	•				
AMERICAN GILSONITE CO.											
Gilsonite	Gilsonite					•	•	6-10 ppb			Y
Gilsonite HT	Gilsonite Hgh Temperature					•	•	6-10 ppb			Y
Gilsonite Aquasol	Water Dispersible Gilsonite	•	•	•	•			6-10 ppb			Y
Gilsonite Aquasol HT	Water Dispersible Gilsonite Hgh Temperature	•	•	•	•			6-10 ppb			Y
ASAP FLUIDS											
ASAP LC SEAL	Micronised cell fibre	•	•	•	•			5-9			Y
ASAP LC SEAL T	Treated fibres for peventing mud loss					•	•	5-9			Y
ASAP MICROSEAL	Blend of Fibers and Flakes	•	•	•	•						Y
ASAP CHIPS	Marble Chips	•	•	•	•	•	•	30			Y
ASAP MICA	Muscovite Mica	•	•	•	•	•	•	20			Y
ASAP K SEAL	Blend of Fibers, Granuls and Flakes	•	•	•	•	•	•	20			Y
ASAP SUREPILL	Non Damaging Polymeric Plug	•	•	•	•			15-20			Y
ASAP THERMOGEL	Non Damaging Polymeric Plug	•	•	•	•			12-15			Y
ASAP NUT PLUG	Wallnut shells	•	•	•	•	•	•	5-15			Y
ASAP SEAL M	High Loss Plug	•	•	•	•			50-70			Y
ASAP SS 20	Non Invasing Fluid Additive	•	•	•	•	•	•	5- 20			Y
ASAP SORB	Polymeric Plug	•	•	•	•			2-6			Y
BAKER HUGHES											
BAKER-SQUEEZ	High-solids, high-fluid loss squeeze for use in moderate to severe lost circulation	•	•	•	•			Varies			
BRIDGEFORM	Single sack bridging solution			•	•	•	•	2-15ppb	Y		Y
BRIDGEFORM NS	Single sack bridging solution for North Sea			•	•	•	•	2-15ppb	Y		
CHEK-LOSS	Complex cellulosic LCM	•	•	•	•			As needed	Y	Y	
CHEK-LOSS COARSE	Coarse, complexed cellulosic for loss of circulation	•	•	•	•	•	•	As needed	Y	Y	
CHEK-LOSS PLUS	High-lignin cellulosic LCM particularly for OBM/NAF with less adverse effect on PV and ES					•	•	As needed	Y	Y	
ECCO-FIBER Fine	Environmentally friendly cellulosic LCM	•	•	•	•			As needed			
ECCO-FIBER Medium	Environmentally friendly cellulosic LCM	•	•	•	•			As needed			
FLOW-CARB SERIES	Multiple grind size series of calcium carbonate	•	•	•	•			Varies	Y	Y	
KOMPRESS	Single sack lost circulation solution			•	•	•	•	Varies	Y	Y	Y
LC-LUBE PLUS	Custom-engineered synthetic graphite/carbon blend	•	•	•	•	•	•	2-8 ppb	Y		
LC-LUBE SERIES	Sized, synthetic graphite	•	•	•	•	•	•	2-8 ppb	Y	Y	
LC-SHIELD	Sized, calcined petroleum coke	•	•	•	•	•	•	6-20 ppb			
LC-SHIELD FINE	Sized, calcined petroleum coke	•	•	•	•	•	•	6-20 ppb			
MAX-BRIDGE	Customized wellbore strengthening and bridging system			•	•	•	•	Varies			
MAX-LOCK	High-compressive strength setting pill			•	•			Varies			
MAX-SHIELD	Deformable sealing polymer for wellbore strengthening	•	•	•	•			2-5% vol			Y
MAX-SHIELD NS	Deformable sealing polymer for wellbore strengthening in the North Sea	•	•	•	•			2-5% vol			
MIL-CARB SERIES	Sized ground calcium carbonate	•	•	•	•	•	•	1-50 ppb	Y	Y	
MIL-CEDAR FIBER	Shredded cedar bark	•	•	•	•			5-10 ppb			Y
MIL-FIBER	Specially-ground bagasse fibers LCM	•	•	•	•			Varies			
MILFLAKE	Shredded cellophane	•	•	•	•			Varies			Y
MIL-MICA SERIES	Size graded mica	•	•	•	•	•	•	5-10 ppb	Y	Y	Y
MIL-PLUG SERIES	Sized ground nut shells	•	•	•	•	•	•	5-10 ppb	Y	Y	Y
MIL-SEAL	Blend of granular, flake, and fibrous LCM in three different grind sizes (coarse, medium, and fine)	•	•	•	•			5-10 ppb	Y		
NANOSHIELD	Dry, deformable sealing copolymer for wellbore stability	•	•	•	•	•	•	2-5 ppb	Y		Y
NEXT-SEAL	Blended LCM for seepage losses					•	•	1-4 ppb			Y
SOLUFLAKE SERIES	Flaked calcium carbonate	•	•	•	•	•	•	2-8 ppb	Y	Y	
SOLU-SQUEEZ	Acid-soluble LCM	•	•	•	•	•	•	Varies	Y		
W.O. 30 SERIES	Sized, ground calcium carbonate (Multiple grind sizes available)	•	•	•	•	•	•	5-40 ppb	Y	Y	
X-LINK	Cross-linked polymer system with controlled set time	•	•	•	•	•	•	Varies			
BOYSENBLUE/CELTEC INTERNATIONAL											
BLEN FYBER, (F)		•	•	•	•	•	•	4.0-10.0			
BLEN PLUG		•	•	•	•	•	•	4.0-12.0			
BLEN SEAL		•	•	•	•	•	•	4.0-8.0			
BLEN TROL		•	•		•	•	•	4.0-8.0			

PRODUCT NAME	DESCRIPTION	Dispersed	Nondispersed	Saturated Salt	Fresh Water	Oil-Based	Synthetic Fluid	Normal Concentration Usage (lbs/bbl)	HOCNF Classification	PLONOR Listing Available	Passed LC50 Test
FRAC PAK		•	•	•	•	•	•	50.0-100.0			
SPUD SEAL											
DRILLING SPECIALTIES CO.											
DIASEAL M LCM	Sized diatomaceous earth blend	•	•	•	•	•	•	17-50		Y	Y
DYNARED FINE	Ground cellulosic fiber for seepage control	•	•	•	•	•	•	2.0-10.0		Y	Y
DYNARED MEDIUM	Ground cellulosic fiber for seepage control	•	•	•	•	•	•	2.0-10.0		Y	Y
DYNARED COURSE	Ground cellulosic fiber for seepage control	•	•	•	•	•	•	2.0-10.0		Y	Y
DYNA-SEAL FINE	Cellulosic fiber for seepage loss in oil muds	•	•	•	•	•	•	2.0-10.0		Y	Y
TORQUE-SEAL LPM/LCM	LPM/LCM for casing and horizontal drilling	•	•	•	•	•	•	2.0-30.0		Y	Y
SURE-SEAL LPM	LPM for Wellbore Strengthing	•	•	•	•	•	•	30.0-50.0		Y	Y
WELL-SEAL LCM FINE	Blended LCM for Lost Circulation	•	•	•	•	•	•	2.0-40		Y	Y
WELL-SEAL LCM MEDIUM	Blended LCM for Lost Circulation	•	•	•	•	•	•	10-40		Y	Y
WELL-SEAL LCM COARSE	Blended LCM for Lost Circulation	•	•	•	•	•	•	10-50		Y	Y
DRILLSAFE JANEL											
DS-CHIP	Flakey acid-soluble LCM, all grades	•	•	•	•	•					
MULTIPLAST	Non-pollution high soluble low solids LCM	•	•	•	•						
ECO FLUIDS											
ECOFIBER	Fiber SLA	•	•	•	•	•	•	2 - 25			Y
MUD SAVE M & F	Thermoset rubber LCM	•	•	•	•	•	•	2 - 25			Y
MUD SAVE SF	Thermoset rubber SLA	•	•	•	•	•	•	2 - 25			Y
STRATASEAL	Specialty SLA	•	•	•	•	•	•	3 - 80			Y
STRATAPLUG	High Fluid Loss Squeeze	•	•	•	•	•	•	10 - 50			Y
ELGIN SEPARATION SOLUTIONS											
POLY SEAL 500	Proprietary polymer	•	•	•	•						
GLOBAL AM-TX											
GLO SEAL-F					•	•	•				
GLO SEAL-M					•	•	•				
GLO SEAL-C					•	•	•				
POLYSEAL AS					•	•	•				
GUMPRO											
GEL LC SEAL	Micronised cell fibre	•	•	•	•			5-9			Y
GEL LC SEAL T	Treated fibres for peventing mud loss					•	•	5-9			Y
GEL MICROSEAL	Blend of Fibers and Flakes	•	•	•	•						Y
GEL CHIPS	Marble Chips	•	•	•	•	•	•	30			Y
GEL MICA	Muscovite Mica	•	•	•	•	•	•	20			Y
GEL K SEAL	Blend of Fibers, Granuls and Flakes	•	•	•	•	•	•	20			Y
GEL SUREPILL	Non Damaging Polymeric Plug	•	•	•	•			15-20			Y
GEL THERMOGEL	Non Damaging Polymeric Plug	•	•	•	•			12-15			Y
GEL NUT PLUG	Wallnut shells	•	•	•	•	•	•	5-15			Y
GEL SEAL M	High Loss Plug	•	•	•	•			50-70			Y
GEL SS 20	Non Invasing Fluid Additive	•	•	•	•	•	•	5-20			Y
GEL SORB	Polymeric Plug	•	•	•	•			2-6			Y
IMPACT FLUID SOLUTIONS											
FLC 2000	Wellbore Stabilization/ Invasion Control	•	•	•	•	•	•	4 - 8	Y	Y	Y
FLC FINE	Wellbore Stabilization/ Invasion Control	•	•	•	•	•	•	4 - 10	Y	Y	Y
FLC SUPREME	Wellbore Stabilization/ Invasion Control	•	•	•	•	•	•	5 - 10	Y	Y	Y
FLC EXTREME	Wellbore Stabilization/ Invasion Control	•	•	•	•	•	•	8 - 30	Y	Y	Y
STAR SHIELD 100	Wellbore Stabilization/ Invasion Control	•	•	•	•	•	•	4 - 10	Y	Y	Y
STAR SHIELD	Wellbore Stabilization/ Invasion Control	•	•	•	•	•	•	5 - 8	Y	Y	Y
STAR SHIELD 500	Wellbore Stabilization/ Invasion Control	•	•	•	•	•	•	6 - 12	Y	Y	Y
STAR SHIELD 3000	Wellbore Stabilization/ Invasion Control	•	•	•	•	•	•	10 - 35	Y	Y	Y
LCP 2000	Lost circulation pill for severe losses	•	•	•	•	•	•	25 - 50	Y	Y	Y
ROCKBLOCK 3	Lost circulation pill for severe losses	•	•	•	•	•	•	30 - 50	Y	Y	Y
ROCKBLOCK 5	Lost circulation pill for severe losses	•	•	•	•	•	•	30 - 50	Y	Y	Y
KELCO OIL FIELD GROUP											
KWIK-SEAL	Blended LCM- fine, medium, coarse	•	•	•	•			20-30			
LIQUID CASING											
LIQUID CASING	Polycrystalline	•	•	•	•	•	•	8			Y
LIQUID CASING II	Polycrystalline	•	•	•	•	•	•	6			Y
O-M SEAL	Polycrystalline	•	•	•	•	•	•	50			Y
WORKOVER 3000	Non-damaging polymers			•	•			2			Y
M&D INDUSTRIES OF LOUISIANA											
DRILL XPRESS	Liquid Viscosifier for WB Fluids	•	•	•	•			Situational			Y

PRODUCT NAME	DESCRIPTION	Dispersed	Nondispersed	Saturated Salt	Fresh Water	Oil-Based	Synthetic Fluid	Normal Concentration Usage (lbs/bbl)	HOCNF Classification	PLONOR Listing Available	Passed LC50 Test
LIQUID BRIDGE PLUG	Resin Based LCM Plug	•	•	•	•	•	•	Situational			
POLY PLUG ULTRA SQUEEZE	Cross link polymer de-watering slurry	•	•	•	•	•	•	Situational			
ULTRA SEAL-C	Coarse cellulosic fiber blend	•	•	•	•	•	•	15-25			Y
ULTRA SEAL-PLUS	Massive loss fiber LCM	•	•	•	•	•	•	25-40			Y
ULTRA SEAL-POLY PLUG	Fibers and crosslink polymer	•	•	•	•	•	•	Situational			Y
ULTRA SEAL-TG	Tech grade cellulosic fibers	•	•	•	•	•	•	7-9			Y
ULTRA SEAL-XLA	Cross link polymer temp. accelerator	•	•	•	•	•	•	Situational			
ULTRA SEAL-XLD	Cross link mixing enhancer	•	•	•	•	•	•	Situational			
ULTRA SEAL-XLR	Cross link polymer temp. retarder	•	•	•	•	•	•	Situational			Y
ULTRA SEAL-XP	Cellulosic fiber blend	•	•	•	•	•	•	5-7			Y
ULTRA SPACER	High fluid loss mud spacer	•	•	•	•	•	•	Hole dicates			Y
ULTRA SEAL CLEAR GEL	Solids free cross link polymer	•	•	•	•	•	•				Y
MAYCO WELLCHEM											
MAYCO MAD SEAL	Lost circulation material	•	•	•	•	•	•	5-25			
MAYCO SEAL	Lost circulation, sealing material	•	•	•	•	•	•	10-50			
MAYCO SEAL COARSE	Lost circulation, sealing material	•	•	•	•	•	•	10-50			
MAYCO SEAL MEDIUM	Lost circulation, sealing material	•	•	•	•	•	•	10-50			
MAYCO SLURRY	Lost circulation spotting fluid	•	•	•	•			50			
M-I SWACO											
CLEANPERF	Fluid-loss system for perforating operations			•	•			System			
FORM-A-BLOK	High-performance, high-strength blend	•	•	•	•	•	•	20-40	RED		
FybeCarb	High-efficiency, acid-soluble, single-sack loss-prevention and remedial material	•	•	•	•	•	•	12-20			
GrandeSeal	Large fiber Particles	•	•	•	•	•	•	15-60	GREEN	Y	
G-SEAL	Coarse-sized graphite	•	•	•	•	•	•	15-20	GREEN	Y	Y
G-SEAL FINE	Fine-sized graphite	•	•	•	•	•	•	15-20	GREEN	Y	Y
G-SEAL PLUS	Coarse-sized plugging agent	•	•	•	•	•	•	15-20	GREEN	Y	
G-SEAL PLUS C	Blend for lost circulation and wellbore strengthening	•	•	•	•	•	•	15-20	YELLOW		
M-I CEDAR FIBER	Shredded cedar bark fiber	•	•	•	•			5-30			
M-I SEAL	LCM for fractured or vugular formations	•	•	•	•	•	•	5-20			
M-I-X II	Ground cellulosic fibers	•	•	•	•	•	•	5-20	GREEN	Y	Y
NUT PLUG	Ground nut shells	•	•	•	•	•	•	5-50			Y
OPTISEAL I	Loss prevention material	•	•	•	•	•	•	30-70			
OPTISEAL II	Loss prevention material	•	•	•	•	•	•	30-70	GREEN	Y	
OPTISEAL III	Loss prevention material	•	•	•	•	•	•	30-70			
OPTISEAL IV	Loss prevention material	•	•	•	•	•	•	30-70	GREEN	Y	
PERF-N-PEEL	WBM FL/damage control system for perforated completions			•	•			System			
SAFE-CARB	Sized ground marble	•	•	•	•	•	•	10-50	GREEN	Y	
SAFE-LINK	Cross linked polymer (no zinc)			•				32pails/10bbl			
SAFE-LINK 110	Cross linked polymer (no zinc)			•				32pails/10bbl			
SAFE-LINK 140	Cross linked polymer high density			•				32pails/10bbl			
SEAL-N-PEEL	Removable loss control pill			•	•			8.4-17.5 ppg			
VERSAPAC	Thermally activated organic thixotrope					•	•	5-30			
VERSATROL	Naturally occurring asphalt					•		2-8	RED		
VINSEAL	Filtration control additive particularly effective in depleted zones	•	•	•	•	•	•	2-5			
NEWPARK FLUIDS SYSTEMS											
CYBERSEAL	Fiberous seepage control agent	•	•	•		•	•	2-10			Y
DYNAFIBER	Micronized cellulose	•	•	•	•	•	•	4-40			Y
FRACFIX	Wellbore stabilization loss remediation blend	•	•	•	•	•	•	2-40			
NEWBRIDGE	Sweep / bridging material	•	•	•	•	•	•	2-15	Y		Y
NEWCARB	Sized calcium carbonate	•	•	•	•	•	•	5-10	Y		Y
NEWCARB PLUS	Sized marble calcium carbonate	•	•	•	•	•	•	5-25			
NEWPLUG	Nut shell	•	•	•	•	•	•	2-20			Y
NEWSEAL	Sized carbonaceous seepage agent	•	•	•	•	•	•	5-15			Y
PREFIX	Wellbore stabilization seepage loss control blend	•	•	•	•	•	•	6-8			
TrueCarb	Ground marble bridging additive, range of particle size	•	•	•	•	•	•	5-10	Y		Y
PROPPFIX	Wellbore stabilization bridging blend	•	•	•	•	•	•	5-15			
X-PRIMA	One-sack, high-solids squeeze	•	•	•	•	•	•	30-110			Y
NOV FLUIDCONTROL											
BORE-SWELL	Swelling LCM	•	•	•				As needed			
Cedar fiber	Cedar fiber LCM	•	•	•	•	•	•	As needed			
Cottonseed hulls	Ground cottonseed waste material	•	•	•	•			As needed			
Drilling paper	Shreaded paper LCM	•	•	•	•			As needed			
Enviroplug	Bentonite chips	•	•	•	•			As needed			
KWIK SEAL	Granules, flakes, fibers	•	•	•	•			As needed			Y
LCF Blend	Ground and sized high lignin content cotton	•	•	•	•	•	•	As needed			

PRODUCT NAME	DESCRIPTION	Dispersed	Nondispersed	Saturated Salt	Fresh Water	Oil-Based	Synthetic Fluid	Normal Concentration Usage (lbs/bbl)	HOCNF Classification	PLONOR Listing Available	Passed LC50 Test
MAGMA FIBER	Lost circulation material	•	•	•	•	•	•	As needed			
MAXI SEAL	Blended LCM	•	•	•	•			As needed			
MICA	Mica	•	•	•	•	•	•	As needed			Y
NOV CARB	Calcium carbonate, ground and sized	•	•	•	•	•	•	As needed			
NOV FIBER	Ground plant fibers	•	•	•	•			As needed			Y
NOV OBM SEAL	LCM for use in NAF	•	•	•	•	•		As needed			
NOV PLUG	Nutshells	•	•	•	•	•	•	As needed			
SEAL-UP	Blended LCM	•	•	•	•	•	•	As needed			
Shur-Plug	Ground hardood chips for LCM	•	•	•	•			As needed			
Sawdust	Shreaded wood chips	•	•	•	•			As needed			
XP911	Carbon based LCM	•	•	•	•	•	•	As needed			
Walnut Shells	Walnut shells	•	•	•	•	•	•	As needed			
SLIPSEAL	Blended carbon filtration control additive	•	•	•	•	•	•	As needed			
PRIME ECO GROUP, INC.											
PERFOREX-XP	Propietary HTHP for OBM	•	•	•	•			0.2-8			Y
QUICK SLIP	Graphitic plumbago/PDMS	•	•	•	•	•	•	4-6 ppb			Y
TRUE SEAL	Filtration control additive for depleted zones	•	•	•	•	•	•	4-6 ppb			Y
QMAX											
CBMax	Sealing agent	•	•	•	•			2 - 6			
GS SEAL	Resilient graphite	•	•	•	•	•	•	2 - 15			
LCM MIX	Mixture of sized LCM	•	•	•	•	•	•	15 - 40			
LUBE-N-SEAL	Graphite	•	•	•	•	•	•	4 - 15			
MAXFIBER	Cellulosic fiber	•	•	•	•	•	•	3.5 - 8			
QFIBER	Cellulosic fiber	•	•	•	•			4 - 8			
QMAX SQUEEZE	High Fluid Loss pill	•	•	•	•	•	•	As needed			
QMAXBRIDGE	Resin	•	•	•	•	•	•	As needed			
QMAXPLUG	Cross-linked polymer LCM	•	•	•	•	•	•	As needed			
QMAXPLUG A	Accelerator for QMAXPLUG system	•	•	•	•	•	•	As needed			
QMAXPLUG AS	High Fluid Loss LCM pill - Acid Soluble	•	•	•	•	•	•	As needed			
QMAXPLUG GEL	Cross-linked polymer LCM	•	•	•	•	•	•	As needed			
QMAXPLUG R	Retarder for QMAXPLUG system	•	•	•	•	•	•	As needed			
QMAXSEAL	Cross-linked polymer LCM	•	•	•	•	•	•	As needed			
QMAXSEAL A	Activator for QMAXSEAL system	•	•	•	•	•	•	As needed			
QMAXSEAL II	High Fluid Loss pill	•	•	•	•	•	•	As needed			
QMAXSEAL R	Retarder for QMAXSEAL system	•	•	•	•	•	•	As needed			
QPLUG	Specialized LCM	•	•	•	•	•	•	As needed			
QSTOP (F,M,C)	Cellulosic fiber	•	•	•	•	•	•	2 - 8			
SMART SEAL	Seepage control LCM for NAF	•	•	•	•			2 - 7			
QUARON N.V.											
MC BEX	Bentonite extender	•		•							
MC LLC	Liquid lost circulation plug	•	•	•	•	•					
MC SUPERSEALER	LCM mixture	•	•	•	•						
SETAC CORP.											
XP-911	Multi sized insoluble carbon	•	•	•	•	•	•	6-50			Y
SUN SPECIALTY PRODUCTS											
SX-PLUS	Carbon seepage loss agent	•	•	•	•			3-6 lbs/bbl			Y
TBC-BRINADD											
BRIDGECARB-ULTRA	Polymer and sized calcium carbonate blend		•	•	•			50	Y		
BRIDGECARB-ULTRA F	Polymer and sized calcium carbonate blend		•	•	•			50	Y		
BRIDGECARB-ULTRA SF	Polymer and sized calcium carbonate blend		•	•	•			50	Y		
BRIDGESAL-ULTRA	Polymer and sized salt blend		•	•				50	Y		
BRIDGESAL-ULTRA SF	Polymer and sized salt blend		•	•				50	Y		
HYSAL ACTIVATOR	Catalyst for polymer hydration	•	•	•				0.5 gal/bbl			
HYSAL C	Blend of polymers, buffers and CaCO3		•	•				100			
HYSAL HD	Polymer and sized salt blend for high density brines		•	•				100			
HYSAL HT	Blend of polymers, buffers and sodium chloride for high temperatures and densities							100			
HYSAL SUPERFINE	Polymer and sized salt blend for high density brines		•	•				100			
OSS PILL	Polymer and oil soluble resin blend		•	•	•			30			
PBS PLUG 2000	Polymer and inorganic salt blend							100			
PBS PLUG 500	Polymer and inorganic salt blend							100			
PBS PLUG ACTIVATOR	Inorganic salt blend	•	•	•	•			50 ppb	Y	Y	
PBS PLUG RETARDER	Inorganic salt blend							6			
PLUG-SAL	Sized sodium chloride		•	•				50			
PLUG-SAL X	Sized sodium chloride		•	•				50			
PLUG-SAL XC	Sized sodium chloride		•	•				50			
SANHEAL PILL	Polymer/carbonate blend							50			
SLUGGIT	Coarse calcium carbonate	•	•	•	•			50			
SLUGGIT CM	Coarse calcium carbonate	•	•	•	•			50			
SLUGGIT PLUS	Coarse calcium carbonate	•	•	•	•			50			
SOLUBRIGE	Oil-solube bridging agent										

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SOLUBRIGE COARSE	Sized oil soluble resin	•	•	•	•			50			
SOLUBRIGE FINE	Sized oil soluble resin	•	•	•	•			25			
SOLUBRIGE MID	Sized oil soluble resin	•	•	•	•			25			
TETRA TECHNOLOGIES, INC.											
HYDROGEN PEROXIDE	Oxidizer			•	•						
PAYZONE 530 (MAGMAFIBER REGULAR)	Med grind, acid soluble fiber	•	•	•	•						Y
PAYZONE 532 (MAGMAFIBER FINE)	Fine grind, acid soluble fiber	•	•	•	•						Y
PAYZONE CARB PRIME	Broad PSD - fine grind CaCO3		•	•	•	•	•				Y
PAYZONE CARB ULTRA	Ultra fine grind, CaCO3		•	•	•	•	•				Y
PAYZONE CLEANSEAL	Cross Linked Gelled polymer			•	•						
PAYZONE CLEANSEAL	Cross Linked Gelled polymer with internal breaker			•	•						
PAYZONE FLC FLEXSEAL	Premixed gelled polymer pill			•	•						
PAYZONE FLC SLURRY	Severe lost circulation pill			•	•						
PAYZONE FLC SMARTSEAL	Calcium carbonate pill			•	•						
PAYZONE FLC-CC	Calcium carbonate pill			•	•						
PAYZONE FLC-SS	Sodium chloride pill			•							
PAYZONE HPS	High performance starch	•	•	•	•						Y
PAYZONE SS PRIME	Broad PSD - fine grind NaCl	•	•	•							Y
PAYZONE SS ULTRA	Ultra fine grind, NaCl	•	•	•							Y
PAYZONE TBT-LT	Oxidizer			•	•						
PAYZONE TBT-HT	Oxidizer			•	•						
TETRA FLEX 110	Cross Linked Gelled polymer			•	•						
TETRA FLEX 135	Cross Linked Gelled polymer			•	•						
TETRA SS PILL	Pre-blended sized salt pill	•	•	•							
TETRA SS COARSE	Size controlled, coarse NaCl	•	•	•							Y
TETRA SS FINE	Select grind, fine grind NaCl	•	•	•							Y
TETRA SS MEDIUM	Size controlled, med size NaCl	•	•	•							Y
TETRABREAK LTC	Oxidizer			•	•						
TETRACARB PILL	Pre-blended sized calcium carbonate pill	•	•	•	•	•	•				Y
TETRACARB COARSE	Size controlled, coarse CaCO3	•	•	•	•	•	•				Y
TETRACARB FINE	Select grind, fine CaCO3	•	•	•	•	•	•				Y
TETRACARB FLAKE	Sized calcium carbonate										
TETRACARB MEDIUM	Size controlled, medium CaCO3	•	•	•	•	•	•				Y
TETRAVIS BREAKER	Viscosity breaker			•	•						
TETRAVIS EXTENDER	Temperature stabilizer			•	•						
TURBO-CHEM INTERNATIONAL											
E Z SQUEEZE	High solids, high fluid loss squeeze material	•	•	•	•	•	•	32-100 ppb			Y
PREMIUM SEAL	Micronized cellulose fiber	•	•	•	•	•	•	4-50 ppb			Y
FIRST RESPONSE	Single sack sized particulate blend	•	•	•	•	•	•	15-60 ppb			Y
BFS: BRIDGE, FILL, SEAL	Single sack sized special blend	•	•	•	•	•	•	15-60 ppb			Y
SWELLCM	Gelled, swelling, sealing agent	•	•	•	•	•	•	10 ppb			Y
SYN SEAL	Seepage loss additive	•	•	•	•	•	•	10-50 ppb			Y
POLYMER BREAKERS											
CHEMTOTAL											
BR-PC20	Chlorite based delayed breaker for guar	•		•				As needed	N	N	Y
BR-PS20	Persulfate based breakers for organic polymers	•		•				As needed	N	N	Y
BR-EN	HP/HT Enzyme breaker	•	•	•	•			As needed	Y	N	Y
QMAX											
MAXBREAK S	Enzyme type breaker	•	•	•	•			As needed			
QBREAK	Viscosity and Filter cake breaker fluid	•	•	•	•			1 - 2.5			
QBREAK O	Filter cake breaker for NAF					•	•	10 - 30%			
QMAXBREAK	Filter cake breaker fluid for WBM	•	•	•	•			As needed			
QMAXBREAK A	Acid generator for QMAXBREAK system	•	•	•	•			As needed			
QMAXBREAK S	Starch enzyme for QMAXBREAK system	•	•	•	•			As needed			
QMAXBREAK X	Xanthan enzyme for QMAXBREAK system	•	•	•	•			As needed			
TBC-BRINADD											
ULTRA BREAKE M	Magnesium Peroxide	•	•	•				0.5 ppb			
PACKER FLUIDS											
BAKER HUGHES											
GeoPACK	Oil-based gravel pack carrier system						•	Varies			
SUPER INSULGEL	Insulating packer fluid for deepwater			•	•			As needed			
POLYMER CROSSLINKERS											
CHEMTOTAL											
XL – ZrBL	Boron Zirconium Dual Crosslinker	•	•	•	•	•		0.80%	N	N	Y

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XL – Zr	Zirconium Chelate for HTHP conditions	•	•	•	•			0.80%	N	N	Y
XL – TAA	Titanium chelate (Titanium Acetyl Acetonate)	•	•	•	•			0.80%	N	N	Y
XL – TEA	Titanium chelate (Triethanolamine Titanate)	•	•	•	•	•		0.80%	N	N	Y
XL – Bo	Chelated Boron for HTHP conditions	•	•	•	•			0.80%	N	N	Y
SHALE CONTROL											
AES DRILLING FLUIDS											
CLAYSHIELD	Liquid Amine Clay Inhibitor		•	•	•						
ENERZAN	Premium Grade Xanthan Gum viscosifier and inhibition	•	•	•	•						
ENERZAN L	Premium Grade Xanthan Gum viscosifier in liquid form	•	•	•	•						
ES-K	Primary Inhibitor for ENERSEAL fluid system		•	•	•						
ES-G	Secondary Inhibitor for ENERSEAL fluid system		•	•	•						
KCl Substitute	Clay Stabilizer for water based systems	•		•	•						
POLYPRO G	Polyglycol shale inhibitor	•	•	•	•						
PXL BLUE	Non-ionic Polyacrylamide for reactive clay stabilization	•	•	•	•						
SHALETEX II	Sulfonated Asphalt for inhibition	•	•	•	•	•	•				
AKZO NOBEL											
GABROIL PAC HIVIS	PAC high viscosity technical (improved)	•	•	•	•			0.5-3			Y
GABROIL PAC LOVIS	PAC low viscosity technical (improved)	•	•	•	•			0.5-3			Y
GABROIL HV	PAC high viscosity technical	•	•	•	•			0.5-3			Y
GABROIL LV	PAC low viscosity technical	•	•	•	•			0.5-3			Y
STAFLO EXLO	PAC low viscosity pure	•	•	•	•			0.5-2			Y
STAFLO REGULAR	PAC high viscosity pure	•	•	•	•			0.5-2			Y
AMERICAN GILSONITE CO.											
Gilsonite Aquasol	Water Dispersible Gilsonite	•	•	•	•			6-10 ppb			Y
Gilsonite Aquasol HT	Water Dispersible Gilsonite Hgh Temperature	•	•	•	•			6-10 ppb			Y
Gilsonite	Gilsonite					•	•	6-10 ppb			Y
Gilsonite HT	Gilsonite Hgh Temperature					•	•	6-10 ppb			Y
ASAP FLUIDS											
ASAP ASPHATEX	Sulphonated Asphalt	•	•	•	•	•	•	2-10			Y
ASAP CPG LC	Polyglycol - Low Salinity Cloud Point Glycol	•	•	•				10-20			Y
ASAP CPG MC	Polyglycol - Medium Salinity Cloud Point Glycol	•	•	•				10-20			Y
ASAP CPG HC	Polyglycol - High Salinity Cloud Point Glycol	•	•	•				10-20			Y
ASAP PA	Polyamine Base Shale inhibitor	•	•	•	•			6-10			Y
ASAP PHPA	Partially Hydrolysed Polyacrylamide	•	•	•	•			0.1-1.5			Y
ASAP PHPA L	Partially Hydrolysed Polyacrylamide liquid	•	•	•	•			1.5-4.5			Y
BASF											
Alcomer 60RD					•						
Alcomer 110RD					•						
Alcomer 115					•						
Alcomer 120B				•	•						
Alcomer 120 types				•	•						
Basodrill 2200	Butanol alkoxylates	•	•	•	•						
Basodrill 3000	Butanol alkoxylates	•	•	•	•						
BAKER HUGHES											
AKVO COL A	Cloud point glycol for shale control in low salinity and fresh water-based drill-in fluids		•		•			3-5% vol			
AKVO COL N	Cloud point glycol for shale control in high salinity and fresh water-based drill-in fluids		•		•			3-5% vol			
AKVO SI1	Clay hydration suppressant for water-based drill-in fluids	•	•		•			1-5% vol			
AKVO SI3	Clay hydration suppressant for water-based drill-in fluids	•	•		•			1-3% vol			
AQUA-COL	Cloud-point glycol for shale control in low-salinity systems		•	•	•			3-5%	Y		Y
AQUA-COL D	Cloud-point glycol for shale control in high-salinity, HT systems		•		•			3-5%			Y
AQUA-COL E	Cloud-point glycol for shale control in high-salinity, HT systems in the UK		•		•			3-5%	Y		
CLAY-TROL	Shale hydration and dispersion inhibitor for water-based drilling fluids	•	•	•	•			4-8 ppb			Y
LATIMAGIC	Asphaltic material, sized graphite and deformable polymer	•	•	•	•	•		2-6 ppb			
MAX-GUARD	Clay hydration suppressant	•	•	•	•			2-4% vol			Y
MAX-GUARD PLUS	Clay hydration suppressant suitable for North Sea operations	•	•	•	•			2-4% vol	Y		
MAX-GUARD XPR	Economy clay hydration suppresant	•	•	•	•			2-6% vol	Y		

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MAX-PLEX	Aluminum and resin complex for shale stability	•	•	•	•			1-5 ppb			Y
NEW-DRILL	Liquid emulsion, high-molecular weight PHPA	•	•	•	•			1.5-2%			Y
NEW-DRILL LV	Powdered, low viscosity PHPA	•	•	•	•			1-3 ppb			
NEW-DRILL LV STICK	Low-viscosity PHPA polymer in stick form	•	•	•	•			As needed			
NEW-DRILL PLUS	Powdered, high-molecular weight PHPA	•	•	•	•			1-3 ppb	Y		Y
NEW-DRILL STICK	PHPA polymer in stick form	•	•	•	•			As needed			
PROTECTOMAGIC M	Oil-free, proprietary, water-dispersible, blown petroleum asphalt	•	•	•	•			2-8 ppb			
SHALE-PLEX	Aluminum complex for shale stability	•	•	•	•			1-4 ppb			
SULFATROL	Sulfonated asphaltic material	•	•	•	•			2-6 ppb			Y
BOYSENBLUE/CELTEC INTERNATIONAL											
BLEN TROL		•	•		•	•	•	4.0-8.0			
DEEP SOUTH CHEMICAL											
DD DRLG DETERGENT	Detergent and wetting agent				•			0.05 gal/bbl			
DRILLING SPECIALTIES CO.											
DRILLPAC HV POLYMER	High viscosity polyanionic cellulose	•	•	•	•			0.25-2.5		Y	Y
DRILLPAC LV POLYMER	Low viscosity polyanionic cellulose	•	•	•	•			0.25-2.5		Y	Y
DRISCAL D POLYMER	High temperature synthetic polymer	•	•	•	•			0.5-2.5		Y	Y
DRISPAC PLUS REGULAR	Dispersable HV polyanionic cellulose	•	•	•	•			0.25-2.5		Y	Y
DRISPAC PLUS SUPERLO	Dispersable LV polyanionic cellulose	•	•	•	•			0.25-2.5		Y	Y
DRISPAC REGULAR POLYMER	High viscosity polyanionic cellulose	•	•	•	•			0.25-2.5		Y	Y
DRISPAC SUPERLO POLYMER	Low Viscosity polyanionic cellulose	•	•	•	•			0.25-2.5		Y	Y
DRISTEMP POLYMER	High temperature synthetic polymer	•	•	•	•			0.5-2.5		Y	Y
LIQUID DRISPAC POLYMER	High viscosity polyanionic cellulose	•	•	•	•			0.5-4.0		Y	N
SOLTEX E ADDITIVE	Sulfonated asphalt	•	•	•	•	•	•	2.0-6.0		Y	Y
SOLTEX ADDITIVE	Sulfonated asphalt	•	•	•	•	•	•	2.0-6.0		Y	Y
DRILL-SURE OBM ADDITIVE	Multi purpose OBM Additive					•	•	0.75-6.0		Y	Y
DRILLSAFE JANEL											
MULTICOAT	Water soluble asphaltic	•	•	•	•	•		0.5-2			
ECO FLUIDS											
CLAY KILL	LMW polymer shale inhibitor	•	•	•	•			1 - 10			Y
ECOGLYCOL H	HMW glycol clay/shale inhibitor	•	•	•	•			2%-5%			Y
ECO PHPA	Anionic dry shale inhibitor	•	•	•	•			0.25 - 1			Y
ECO PHPA-L	Anionic emulsion shale inhibitor	•	•	•	•			0.5 - 2			
EF-100N	Polyglycerol shale inhibitor	•	•	•	•			5% - 20%			Y
GUMBOTROL	Gumbo Inhibitor	•	•	•	•			0.5-1 %			Y
K-SUB	KCL substitute	•	•	•	•			0,25 - 1			Y
CLAY DRILL	HMW polymer inhibitor	•	•	•	•			0.5-2.0			Y
STRATADRILL	Amine clay inhibitor	•	•	•	•			4 - 10			Y
ECONITE	Liquid gilsonite	•	•	•	•			1 - 3%			
EMERY											
TERRADRIL 568	For aqueous systems, water dissovable, saturated salt				•	•					
GLOBAL AM-TX											
GLO-PHALT						•	•	•			
GLO-EZ						•	•	•			
GLO-SHALE STOP						•	•	•			
GLO-SHALE PAVER						•	•	•			
GRAIN PROCESSING CORPORATION											
CONTROL I-166	Alkaline starch	•	•	•	•			3%			Y
CONTROL I-920	Deflocculant, calcium control agent	•		•	•			3-5			Y
GUMPRO											
GEL ASPHATEX	Sulphonated Asphalt	•	•	•	•	•	•	2-10			Y
GEL CPG LC	Polyglycol - Low Salinity Cloud Point Glycol	•	•	•				10-20			Y
GEL CPG MC	Polyglycol - Medium Salinity Cloud Point Glycol	•	•	•				10-20			Y
GEL CPG HC	Polyglycol - High Salinity Cloud Point Glycol	•	•	•				10-20			Y
GEL PA	Polyamine Base Shale inhibitor	•	•	•	•			6-10			Y
GEL PHPA	Partially Hydrolysed Polyacrylamide	•	•	•	•			0.1-1.5			Y
GEL PHPA L	Partially Hydrolysed Polyacrylamide liquid	•	•	•	•			1.5-4.5			Y
IMPACT FLUID SOLUTIONS											
STAR HIB PLUS	Shale Control/Clay Inhibitor - Low Conductivity	•	•	•	•			2% - 5%	Y		Y
STAR HIB SF	Shale Control/Clay Inhibitor - Chloride free	•	•	•	•			2% - 5%	Y		Y
KELCO OIL FIELD GROUP											

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CELPOL R	Purified PAC high visc	•	•	•	•			0.25-2		Y	Y
CELPOL RX	Purified PAC high visc	•	•	•	•			0.25-2		Y	Y
CELPOL SL	Purified PAC low visc	•	•	•	•			0.25-2		Y	Y
CELPOL SLX	Premium purified PAC low visc	•	•	•	•			0.25-2		Y	Y
FINNFIX BOL	Middle visc CMC	•	•	•	•			2-3		Y	Y
FINNFIX H	CMC high viscosity pure	•	•	•	•			0.2-3		Y	Y
FINNFIX HC	High visc CMC	•	•	•	•			2-3		Y	Y
FINNFIX LC	Low visc CMC	•	•	•	•			2-3		Y	Y
FINNFIX RC	Middle visc CMC	•	•	•	•			2-3		Y	Y
MF-1	Non-ionic polyacrylamide	•			•						Y
MF-55	Non-ionic polyacrylamide - liquid	•			•						Y
X-PEL-G	Water dispersible gilsonite	•	•	•	•			2-4			Y
LAMBERTI SPA											
BORESTAB 1040	Synthetic Borehole stabilizer		•		•			1-3%			
BORESTAB BF27	Liquid gilsonite stabilizer	•	•	•	•			1-4%			
DRILLAM EL	Liquid PHPA encapsulator	•	•	•	•			0.3-3			
HYBSTAR AB	Chloride free neutralized polyamine	•	•	•	•			1-3%	Y		Y
HYBSTAR HS	Cost effective, hydration suppressant	•	•	•	•			1-3%	Y		Y
K PAC LOVIS	Potassium low viscosity PAC	•	•		•			0.2-3			Y
K PAC REGULAR	Potassium high viscosity PAC	•	•		•			0.2-3			Y
ONE-CAP FL	Shale encapsulator and FL control agent		•	•	•			0.5-2.0%			
PAG 102	Polyglycol inhibitor (Low cloud point)	•	•	•	•			3%			Y
PAG 211	Polyglycol inhibitor (Medium Cloud Point)	•	•	•	•			3%	Y		Y
LAMBERTI USA											
HIBSTAR HPF	Amine based shale inhibitor	•	•	•	•			0.5-3%			
PAG GP	General purpose glycol	•	•	•	•			0.5-5%			
LIQUID CASING											
LIQUID CASING	Polycrystalline	•	•	•	•	•	•	8			Y
LIQUID CASING II	Polycrystalline	•	•	•	•	•	•	6			Y
O-M SEAL	Polycrystalline	•	•	•	•	•	•	50			Y
MAYCO WELLCHEM											
MAYCO-KLAYTROL	Clay inhibitor	•	•	•	•			1-4			
M-I SWACO											
AcreteBlok	Antiaccretion additive		•		•			3-9%	YELLOW		
ASPHASOL D	Sulfonated organic blend	•		•	•			4-10			
ASPHASOL SUPREME	Sulfonated asphalt	•	•	•	•	•		2-8			Y
BLACK FURY	readily dispersible liquid asphaltite suspension	•	•		•			2-4%			
DRILPLEX	Viscosifier for DRILPLEX system		•		•			1-3	GREEN	Y	Y
GLYDRIL LC	Polyalkylene glycol with low cloud point	•	•	•	•			7-17.5			
GLYDRIL MC	Polyalkylene glycol with medium cloud point	•	•	•	•			7-17.5	YELLOW		Y
HydraCap	Encapsulating additive		•		•			0.5-4			
HydraGlyde	High-performance water-based drilling fluid system		•		•			System			
HydraHib	Shale inhibitor		•		•			1.5-6%			
IDCAP D	Polymeric shale inhibitor	•		•				1-4			
K-52	Non-chloride potassium supplement	•	•	•	•			1-5			
KLA-CURE	Hydration suppressant		•	•	•			4-8			Y
KLA-GARD	Shale inhibitor & hydration suppressant		•	•	•			4-8			Y
KLA-HIB	Liquid amine shale inhibitor	•		•	•			4-10			
KLA-STOP	Shale inhibitor		•	•	•			2-4vol%			Y
KLA-STOP NS	Shale inhibitor		•	•	•			2-4vol%			
M-I PAC R	Pure PAC polymer, technical grade	•	•		•			2-5	GREEN	Y	Y
M-I PAC UL	PAC polymer, low viscosity, technical grade	•	•		•			2-5	GREEN	Y	Y
POLYPAC R	Polyanionic cellulose	•	•	•	•			0.5-2	GREEN	Y	Y
POLYPAC UL	PAC, ultra-low viscosity	•	•	•	•			0.5-2	GREEN	Y	Y
POLY-PLUS	High m.w. PHPA polymer		•	•	•			0.5-4			Y
POLY-PLUS DRY	Dry PHPA polymer		•	•	•			0.25-2			
POLY-PLUS RD	Readily dispersible PHPA dry powder		•	•	•			0.5-4			
POROSEAL	Latex-modified starch polymer	•	•		•			2-5vol%			Y
SP-101	Sodium polyacrylate polymer	•	•	•	•			0.5-2			Y
ULTRACAP	Encapsulator for ULTRADRIL system			•	•			1.5-3	YELLOW		Y
ULTRACAP PLUS	Polymeric shale inhibitor for ULTRADRIL system			•	•			2-4			
ULTRAHIB	Shale inhibitor for ULTRADRIL system			•	•			2-4 vol%			Y
MONTELLO											
MON PAC	Polyanionic cellulose	•	•	•	•			0.25-2			Y
MON PAC ULTRA LO	Polyanionic cellulose	•	•	•	•			0.25-2			Y
NEWPARK FLUIDS SYSTEMS											
DEEPDRILL INHIBITOR	Proprietary HPWB shale inhibitor	•	•	•	•			3-20 vol%	Y		Y
FLEXFIRM	Potassium silicate shale stabilizer	•	•	•	•			0.25-2			Y

PRODUCT NAME	DESCRIPTION	Dispersed	Nondispersed	Saturated Salt	Fresh Water	Oil-Based	Synthetic Fluid	Normal Concentration Usage (lbs/bbl)	HOCNF Classification	PLONOR Listing Available	Passed LC50 Test
HIPERM	Amine shale inhibitor		•	•	•			0.3-0.6 vol%			
LST-MD	Liquid sulfonated asphalt	•	•	•	•			2-3 vol%			
NEWPHASE	Blend of polyglycerols					•	•	1-10			
NEWPHALT	Sulphonated asphalt blend	•	•	•	•	•	•	2-8			
NEWPHPA	PHPA	•	•	•	•			0.2-2			Y
NEWPHPA D	PHPA	•	•	•	•			0.25-1			Y
NEWPHPA DLMW	Low molecular weight anionic PHPA	•	•	•	•			1-3			Y
NEWPHPA DSL	Very low molecular weight PHPA	•	•	•	•			1-4			Y
NEW100N	Blend of polyglycerines	•	•	•	•	•	•	3-5 vol%	Y		Y
NOV FLUIDCONTROL											
ECOPHALT 300	Powdered Gilsonite	•	•	•	•	•	•	2-8 lbs/bbl			Y
ECOPHALT 350	Powdered Gilsonite	•	•	•	•	•	•	2-8 lbs/bbl			
PAVE-PLEX	Sulfonated asphalt/causticized lignite filtration control	•	•	•	•	•	•	2-8 lbs/bbl			
C-BLOCK 12	filtration control additive	•	•	•	•	•	•	2-8 lbs/bbl			
POTASSIUM CHLORIDE	Salt	•	•	•	•			As needed			
STARTROL	Asphalt blend	•	•	•	•			2-8 lbs/bbl			
TRAXX TC	Proprietary ROP enhancer / shale stabilizer	•	•	•	•			0.5 % to 2%			
VAPR G	Medium cloud point glycol	•	•	•	•			0.5 % to 2%			
VAPR S	Low cloud point glycol	•	•	•	•			0.5 % to 2%			
VAPR P	High cloud point glycol	•	•	•	•			0.5 % to 2%			
INHIBI-TEMP CT	Concentrated, reduced toxicity clay stabilizer, KCl substitute	•	•	•	•			2 to 4 gpt			
INHIBI-TEMP T	Temporary clay stabilizer, KCl substitute	•	•	•	•			1 to 4 gpt			
INHIBI-TEMP C	Biodegradable, organic clay stabilizer	•	•	•	•			2 to 10 gpt			
PERMA-HIB	T-mac shale stabilizer	•	•	•	•			0.05 to 1%			
TRIPLE A	Anti-accretion agent	•	•	•	•			.5-3.0%			Y
OLEON N.V.											
RADIAGREEN EBL	Env. friendly ester based lubricant	•	•	•	•			1 - 3%	Y	N	Y
RADIAGREEN EBO	General purpose lubricant and ROP enhancer	•	•	•	•	•	•	4 - 6%	Y	N	Y
RADIAGREEN EME SALT	Lubricant for heavy brines	•	•	•				1 - 3%	Y	N	Y
RADIAGREEN SL	Lubricant for pH system >10	•	•	•				2 - 5%	Y	N	Y
PQ CORP.											
N grade	aqeuous sodium silicate	•	•		•			5 - 35		Y	Y
M grade	aqeuous sodium silicate	•	•		•			5 - 35		Y	Y
D grade	aqueous sodium silicate	•	•		•			5 - 35		Y	Y
G grade	hydrous powder sodium silicate	•	•		•			5-15		Y	Y
GA grade	hydrous powder sodium silicate	•	•		•			5-15		Y	Y
GD grade	hydrous powder sodium silicate	•	•		•			5-15		Y	Y
PRIME ECO GROUP, INC.											
DT-2002	Blended polyglycerol	•	•	•	•						Y
DT-SAS	Sulfonated asphalt	•	•	•	•			4-10	N	N	Y
SKL-100	Environmental replacement for KCL	•	•	•	•			1-4			
QMAX											
CLAYHIB MAX	Amine based shale stabilizer	•	•	•	•			3 - 6			
GLYMAX	Glycol based shale stabilizer	•	•	•	•			3 - 6			Y
GLYMAX HC	High cloud point glycol	•	•	•	•			3 - 6			
GLYMAX LC	Low cloud point glycol	•	•	•	•			3 - 6			
MAXPHALT L	Liquid asphalt	•	•	•	•			7 - 17.5			
MMO HIB	Clay inhibitor for DRILSMOOTH system		•		•			2 - 5			
QDRILLTEX	Sulphonated asphalt	•	•	•	•	•	•	3 - 8			
QM11	Shale stabilization agent	•	•	•	•			4.5- 20%			
QM11 D	Dry shale stabilizing agent	•	•	•	•			4 - 8			
QM12	Silicate shale stabilizer	•	•	•	•			5 - 20%			
QMAX ACF	Amine based shale stabilizer	•	•	•	•			3 - 8			
QMAXDRILL	Amine based shale stabilizer	•	•	•	•			2 - 6			Y
QUARON N.V.											
MC DEX	Mud thinner / shale stabilizer	•	•	•	•			2-5			
MC K-SOL	Potassium asphalt sulphonate	•	•	•	•			2-5			
MC SIP	Shale inhibitive polymer		•	•	•			1-3			
MC SOL	Sodium asphalt sulphonate	•	•	•	•			2-5			
SETAC CORP.											
Boremaster	Modified Lignite/carbon matrix	•		•	•			2-6			
DRILL FAST	ROP enhancer and lubricant	•	•	•	•			2-10%			Y
SUN SPECIALTY PRODUCTS											
BLACKNITE	Multi-particle sealing in liquid dispersion	•	•	•	•			2%			Y
C-MUL (PAO)	Polyalphaolefin, ROP enhancer	•	•	•	•			3%			Y
COASTALUBE (PAO)	Polyalphaolefin liquid lubricant	•	•	•	•			3%			Y
DRIL-CON	Clay hydration suppressant	•	•	•	•			1%			Y
GUMBOSHIELD	Gumbo inhibitor	•	•	•	•			3%			Y
TBC-BRINADD											
BORECLEAN	Glycol							100			
CL FREE	Organic amine		•	•	•			3% by vol	Y		
INHIBISAL ULTRA B	Glycol		•	•	•			3% by vol	Y		
TETRA TECHNOLOGIES, INC.											
PAYZONE STAY	Clay Stabilizer			•	•						

PRODUCT NAME	DESCRIPTION	Dispersed	Nondispersed	Saturated Salt	Fresh Water	Oil-Based	Synthetic Fluid	Normal Concentration Usage (lbs/bbl)	HOCNF Classification	PLONOR Listing Available	Passed LC50 Test
PAYZONE STRATAFIX	Shale/clay stabilizer			•	•						
TURBO-CHEM INTERNATIONAL											
TURBO-PHALT	Gilsonite/resin	•	•	•	•			4-10 ppb			Y
SPOTTING FLUIDS, LUBRICANTS											
AES DRILLING FLUIDS											
DRILL BEADS	Copolymer drilling beads for mechanical lubricity.	•	•	•	•	•	•				
ENERLUBE	Friction and torque reducing lubricant for fresh water systems	•	•		•						
ENERLUBE III	Friction and torque reducing lubricant for brine, completion and extreme pressure wells	•	•	•							
GXM	Engineered aspect ratio graphite used as a mechanical lubricant	•	•	•	•	•	•				
GXM PLUS	High performance crystalline graphite designed for mechanical lubrication	•	•	•	•	•	•				
ASAP FLUIDS											
ASAP FREE W	Environmental friendly Weighted spotting Fluid	•	•	•	•			45			Y
ASAP FREE N/W	Environmental friendly Non-Weighted spotting Fluid	•	•	•	•			35-45			Y
ASAP STUCK FREE	Spotting Fluid					•	•	80			Y
ASAP EP TORQUE REDUCER	Environmental friendly Universal EP Lubricant	•	•	•	•	•	•	3.5-5.5			Y
ASAP SIL EPL	Environmental friendly EP Lubricant FOR Sodium Silicate	•	•	•	•			10-12			Y
ASAP EB LUBE	Ester based Lubricant	•	•	•	•	•	•	3.5-5.5			Y
ASAP LUBE	Environmental friendly Universal Lubricant	•	•	•	•			3.5-5.5			Y
BASF											
Basoplur E400	Polyethylengylcol										
Basoplur US P 2000	Polyethylengylcol										
Basotron KS 1	Modified Polyethylenglycol										
BAKER HUGHES											
AKVO SLIDE	Drill-in fluid lubricant for monovalent and divalent brines			•	•			2-3% vol			
AKVO SLIDE NS	Drill-in fluid lubricant for monovalent salt systems			•	•			3-5% vol			
AQUA-MAGIC	Differential sticking preventative for depleted zones	•	•	•	•			2-4% vol			Y
BIO-DRILL	Polyol-based drilling/ ROP enhancer	•	•	•	•			2-4% vol			Y
BIO-SPOT	Non-hydrocarbon, low toxicity spotting fluid	•	•	•	•			As needed			Y
BLACK MAGIC	Oil-base spotting fluid	•	•	•	•			As needed			
BLACK MAGIC PHALT FREE	Spotting fluid without asphalt	•	•	•	•	•	•	As needed			
BLACK MAGIC SFT	Oil-base spotting fluid concentrate	•	•	•	•			As needed			
KLARO LUBE	Clear brine lubricant			•				0.5-1% vol			
KLARO LUBE NS	Clear brine lubricant for North Sea applications			•				1-3% vol	Y		
LATILUBE	High temperature lubricant	•	•		•			2-4% vol			
LATIMAGIC	Wellbore stabilizer and lubricant	•	•		•			5-10 ppb			
LATIRATE	Rate of penetration enhancer and lubricant for water-based fluids	•	•		•			2-4% vol			
LC-GLIDE	Spherical carbon material for torque and drag reduction	•	•	•	•	•	•	2-12 ppb	Y	Y	
LC-LUBE PLUS	Custom-engineered synthetic graphite/carbon blend	•	•	•	•	•	•	2-8 ppb			
LC-LUBE SERIES	Sized, synthetic graphite	•	•	•	•	•	•	2-8 ppb	Y	Y	
LUBE-622	Ester-based lubricant for WBM	•	•	•	•			2-4% vol	Y		
LUBE-643	Environmentally acceptable ester-based lubricant	•	•	•	•			2-4% vol	Y		
MIL-GLIDE	Spherical glass drilling bead used as a boundary lubricant	•	•	•	•	•	•	2-6 ppb			
MIL-GLIDE CP	Spherical copolymer drilling bead used as a boundary lubricant	•	•	•	•	•	•	2-12 ppb			
MIL-GLIDE CP FINE	Fine spherical co-polymer drilling bead	•	•	•	•	•	•	2-12 ppb			
MIL-GRAPHITE	Graded graphite used primarily to enhance lubricity and sliding	•	•	•	•	•	•	5-20 ppb			
MIL-LUBE	Vegetable oil-base boundary and extreme pressure lubricant	•	•	•	•			2-4% vol			Y
NAVI-LUBE	Low-pour point lubricant	•	•	•	•			2-4% vol			
NF2	Gas hydrate inhibitor	•	•	•	•			10-40%	Y	Y	Y
OMNI-LUBE	Lubricant for invert emulsion drilling fluids					•	•	2.5-4% vol			
OMNI-LUBE V2	EP lubricant for invert emulsion drilling fluids					•	•	2-5% vol	Y		
PENETREX	ROP enhancer & anti-bit balling/accretion additive	•	•	•	•			2-3% vol			
PENETREX NS	ROP enhancer—designed for North Sea applications	•	•	•	•			2-3% vol	Y		
TERRA-RATE	Anti-bit balling, ROP enhancer for water-based drilling fluids	•	•	•	•			1-4% vol			
TEQ-LUBE II	Environmentally-acceptable lubricant for WBM	•	•	•				3-5% vol			Y
TEQ-LUBE NS	Environmentally-acceptable lubricant for WBM in the North Sea	•	•	•				3-5% vol	Y		
BOYSENBLUE/CELTEC INTERNATIONAL											
MEGA SLIDE (C)		•	•	•	•	•	•	10.0-30.0			
SUPER SLIDE (M)		•	•	•	•	•	•	10.0-30.0			
BLEN SEAL		•	•	•	•	•	•	4.0-8.0			
BLEN SQUEEZE		•	•	•	•	•	•	10.0-15.0			
BLEN PLEX		•	•	•	•	•	•	Depends			
PETROBLEN C		•	•	•	•	•	•	5.0-10.0			
CRODA											
CRODAFOS O4A	Lubricant					•	•	2-5%			
EstaDril 4000	Brine-tollerant lubricant for water-based systems	•	•	•	•			2-5%			
DRILLSAFE JANEL											
MULTILUBE A	Non-polluting EP lubricant	•	•	•	•			1-5			
MULTILUBE B	Salt water EP lubricant	•	•	•	•			1-5			
MULTI-POL SP	Pipe-freeing agent	•	•	•	•	•		1.5-3			
ECO FLUIDS											
ECOFREE	Pipe freeing agent	•	•	•	•						
DRILLFAST	ROP enhancer	•	•	•	•			4 - 8			Y
STRATABEADS	Glass beads	•	•	•	•	•	•	10 - 40			
STRATALUBE	Glycol EP lubricant	•	•	•	•			2% - 6%			Y
ELGIN SEPARATION SOLUTIONS											
K LUBE	Hydrocarbon lubricant	•	•	•	•						
EMERY											
DEHYLUB 594	Environ. Friendly lubricant, ester based	•	•	•	•			1-4			
DEHYLUB 1037	OBM lubricant, ester based	•	•	•	•	•	•	1-3			
DEHYLUB 1316	Silicate mud and WBM lubricant, ester based	•	•	•	•			1-3			
DEHYLUB 1324	OBM/WBM lubricant, ester based	•	•	•	•	•		1-3			
DEHYLUB 1757	WBM lubricant, ester based	•	•	•	•			1-5			
GLOBAL AM-TX											
GLO LUBE - MASTER					•	•	•				
GLO LUBE - EXTREME					•	•	•				
GLO LUBE - 700					•	•	•				
GLO LUBE - STICK P					•	•	•				
GUMPRO											
GEL FREE W	Environmental friendly Weighted spotting Fluid	•	•	•	•			45			Y
GEL FREE N/W	Environmental friendly Non-Weighted spotting Fluid	•	•	•	•			35-45			Y
GEL STUCK FREE	Spotting Fluid					•	•	80			Y
GEL EP TORQUE REDUCER	Environmental friendly Universal EP Lubricant	•	•	•	•	•	•	3.5-5.5			Y
GEL SIL EPL	Environmental friendly EP Lubricant FOR Sodium Silicate	•	•	•	•			10-12			Y
GEL EB LUBE	Ester based Lubricant	•	•	•	•	•	•	3.5-5.5			Y
GEL LUBE	Environmental friendly Universal Lubricant	•	•	•	•			3.5-5.5			Y
LAMBERTI SPA											
DRILQUICK AC PLUS	ROP enhancer, anti accretion	•	•	•	•			1-3%			
EMULUBE OBM	Effective OBM lubricant					•	•	1-3%	Y		Y
FRONLUBE 100	Top range lubricant for salty environment	•	•	•	•	•	•	1-3%			
FRONLUBE 200	Top range, ester based lubricant	•	•	•	•	•	•	1-3%			
FRONLUBE 300	Top range, ester based lubricant	•	•	•	•			1-3%	Y		Y
IPERLUBE	Sub micro particle based liquid lubricant	•	•	•	•			1-3%			
LUBRICANT EHB	Environmental friendly lubricant for heavy brines	•	•	•	•			1-3%			
LUBRICANT EP	Extreme pressure lubricant	•	•	•	•			1-3%			
LUBRICANT ER	For dispersed system	•						1-3%			
LUBRICANT F/458	Lubricant for high temperature	•	•	•	•			1-3%			
LUBRICANT SL	Lubricant for silicate fluids	•	•	•	•			1-3%			
LUBRICANT CBR 600	Environmentally friendly brine soluble	•	•	•	•			1-3%	Y		Y
LUBRICANT 29	Cost effective, environmentally friendly lubricant	•	•	•	•			1-3%			
PRESANTIL	Pipe freeing agent for unweighted spotting fluids	•	•	•	•	•	•	5-20			
PRESANTIL FDP	Environmental friendly pipe-freeing agent	•	•	•	•	•	•	5-20			
PRESANTIL OBM	Effective OMB pipe-freeing agent					•	•	5-20			
PRESANTIL W	Pipe freeing agent for weighted spotting fluids	•	•	•	•	•		30			
PRESANTIL WNF	Non flammable pipe freeing agent (weighted)	•	•	•	•	•	•	30-50			
LAMBERTI USA											
LUBRICANT GP479	General purpose lubricant	•	•	•	•			1-3%			
LUBRICANT EPS	Extreme pressure lubricant	•	•	•	•			1-3%			
LUBRICANT BRN	Brine lubricant	•	•	•	•			1-3%			
LUBRICANT OBM	Invert muds lubricant					•	•	1-3%			
LUBRICANT ROP	Rate of penetration enhancer	•	•	•	•			1-3%			
PRESANTIL 873	Hydrocarbon free spotting fluids	•	•	•	•	•	•				

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PRESANTIL USP	Unweighted spotting fluids	•	•	•	•	•	•				
PRESANTIL WSP	Weighted spotting fluids	•	•	•	•	•	•				
LIQUID CASING											
LIQUID CASING	Polycrystalline	•	•	•	•	•	•	8			Y
LIQUID CASING II	Polycrystalline	•	•	•	•	•	•	6			Y
O-M SEAL	Polycrystalline	•	•	•	•	•	•	50			Y
MAYCO WELLCHEM											
KLEEN-PAK	Completion fluid package			•	•			2-3			
MAYCO SLURRY	Lost circulation spotting fluid	•	•	•	•	•		50			
OILSPOT-FT	Spotting fluid package	•	•	•	•			75			
OILSPOT-L	Premium weighted spotting fluid	•	•	•	•			24			
OILSPOT-P	Spotting fluid package	•	•	•	•			50			
POLY-SLICK	Copolymer bead lubricant	•	•	•	•			4			Y
SLICKPIPE	Mud lubricant	•	•		•			4			
SLICKPIPE EP	Extreme pressure mud lubricant	•	•		•			4			Y
STUCK-BREAKER	Pipe freeing compound	•	•	•	•			8			
STUCK-BREAKER-W	Weighted spotting fluid	•	•	•	•			12			
M-I SWACO											
ALPINE SPOTTING BEADS	Lubricating beads	•	•	•	•			8-12			
Bakken Xpress	Harsh brine drilling fluids lubricant			•				3%			
D-D	Drilling detergent	•	•	•	•			0.5-6			Y
GLYDRIL LC	Polyalkylene glycol with low cloud point	•	•	•	•			7-17.5			
GLYDRIL MC	Polyalkylene glycol with medium cloud point	•	•	•	•			7-17.5	YELLOW		Y
G-SEAL	Coarse sized graphite	•	•	•	•	•	•	15-20	GREEN	Y	Y
HydraSpeed	ROP-enhancing primary lubricant		•		•			1-3vol%			
Intra LUBE	Encapsulated Lubricant	•	•	•	•			10-14			
LOTORQ	Lubricant for FLOPRO system in Alaska	•	•	•	•			1-3 vol%			
LUBE OB	Lubricant for OB mud					•		1-3vol%	YELLOW		
LUBE 1017 OB	Lubricant for OB mud					•		1-3vol%			
LUBE EXE	Enhanced ester lubricant	•	•	•	•			1-3vol%			
LUBE XLS	Extreme pressure lubricant	•	•	•	•			1-6vol%			
LUBE-167	Lower-toxicity lubricant	•	•	•	•			4-16			Y
LUBE-776	Lubricant for LSND muds		•					1-3 vol%			Y
PIPE-LAX	Stuck pipe surfactant	•	•	•	•	•		8.3			
PIPE-LAX ENV	Low-toxicity stuck pipe solution	•	•	•	•			100%			
SAFE-LUBE	Water-soluble brine lubricant			•				0.6vol%			
SCREENKLEEN	Screen cleaner for drilling tar sands							100%			
SIL-LUBE	Lubricant for SILDRIL system		•		•			1-3%			
STARGLIDE	Lubricant for WBMs	•	•	•	•			1-3 vol%	YELLOW		
STAR-LUBE II	Brine Lubricant			•				2 vol%			
ULTRAFREE	ROP Enhancer for the ULTRADRIL system	•		•	•			1-2 vol%			
MONTELLO											
HME ENERGIZER	Selective non-ionic wetting agent	•	•	•	•			0.1-1			Y
NEWPARK FLUIDS SYSTEMS											
ACCELERATION	Brine and WBM Lubricant			•				0.5-2.5 vol%			
DIRECT	Metal-on metal lubricant for coiled tubing		•	•				3-18			
DYNAFREE	Blend of lubricants and surfactants	•	•	•	•			2%/vol			Y
DYNAVERT SFT	One-sack blend of emulsifiers & gellants	•	•	•	•			20-40 ppb			
EVOLUBE G	HPHT drilling performance enhancer	•	•	•				0.5-6 vol%			
EVOLUBE S	Modified ester ROP enhancer	•	•	•	•			0.5-6 vol%			Y
EVOLUBE TR	HPWB lubricant/torque reducer	•	•	•				0.5-6 vol%			
NEWSAFE LUBE	NSF/ANSI 60 certified lubricant	•	•	•				1-4 quarts/100 gal			
OPTILUBE	OBM Lubricant					•		1-5 vol%			
TOPSPOT	Non-toxic organic blend	•	•	•	•			20% by vol			Y
NOV FLUIDCONTROL											
ECO-SPOT	Environmentally safe spotting fluid	•	•	•	•			as needed			Y
ENVIRO-SLIK	Pipe-on-pipe lubricant for brines	•	•	•	•			as needed			
FRICTION-EZE	General purpose drilling lubricant	•	•	•	•			0.5 to 4%			
HDL Plus	Premium drilling lubricant, brine	•	•	•	•	•	•	1 to 3%			
DL-100	Premium drilling lubricant	•	•	•	•	•	•	0.5 to 4%			
STIK-FREE	Diesel-based spotting fluid	•	•	•	•			As needed			
STIK-FREE W	Diesel-based spotting fluid with viscosifier	•	•	•	•			As needed			
STIK-FREE ECO	Environmentally friendly spotting fluid	•	•	•	•			As needed			
STIK-FREE ECO W	Environmentally friendly spotting fluid with viscosifier	•	•	•	•			As needed			
ULTRA-BEADS CP	Copolymer beads	•	•	•	•	•	•	0.25 to 4 lbs/bbl			
ULTRA-BEADS G	Glass beads	•	•	•	•	•	•	0.25 to 4 lbs/bbl			
LUBRA-EZE	General purpose drilling lubricant, brine	•	•	•	•			1 to 3%			Y
OLEON N.V.											
RADIAGREEN EBL	Env. friendly ester based lubricant	•	•	•	•			1 - 3%	Y	N	Y
RADIAGREEN EBO	General purpose lubricant and ROP enhancer	•	•	•	•	•	•	4 - 6%	Y	N	Y
RADIAGREEN EME SALT	Lubricant for heavy brines	•	•	•				1 - 3%	Y	N	Y
RADIAGREEN SL	Lubricant for pH system >10	•	•	•				2 - 5%	Y	N	Y
RADIAGREEN EBS	General purpose ester lubricant	•	•	•	•			1 - 5%	N	N	Y
Drilling Lube	Lubricant for OBM					•	•	1 - 4%	Y	N	Y
Q-Drill	Lubricant, Anti-accretion agent for WBM	•	•	•	•			2 - 5%		N	
Well.O LLX	Biodegradable WBM lubricant	•	•	•	•			1 - 5%	N	N	Y
Well.O LLX-Plus	Biodegradable Brine mud lubricant	•	•	•	•			1 - 5%	N	N	Y
Well.O MLX	Versatile high salinity brine lubricant	•	•	•	•			1 - 5%	N	N	Y
Well.O MLX-Plus	General purpose high salinity brine lubricant with high temperature stability	•	•	•	•			1 - 5%	N	N	Y
Well.O TLX	Lubricant for heavy brines	•	•	•	•			1 - 3%	N	N	Y
Well.O TLX-BB	Lubricant for Bakken produced water	•	•	•	•			1 - 3%	N	N	Y
Well.O TLX-Plus	Lubricant for heavy brines	•	•	•	•			1 - 3%	N	N	Y
PRIME ECO GROUP, INC.											
DTS-2002	Polyalcohol no cloud point	•	•	•	•			3%-10%			Y
QMAX											
BLACK SPOT	Spotting fluid (dry)	•	•	•	•			As needed			
MAX ROP	ROP enhancer	•	•	•	•			6 - 9			
MAXBEADS	Solid lubricant	•	•	•	•	•	•	As needed			
MAXLUBE EB	Ester-based lubricant	•	•	•	•			3 - 9			
MAXLUBE R	Vegetable oil-based lubricant	•	•	•	•			3 - 6			
MAXLUBE SIL	Lubricant for silicates systems		•		•			3 - 9			
MAXRELEASE	Spotting fluid	•	•	•	•			As needed			
PERFORMANCE LUBE III	Lubricant for PERFORMANCE systems		•		•			3 - 6			
QDRILL UP	ROP enhancer	•	•	•	•			3 - 6			
QFREE	Spotting fluid eliminate the differential sticking	•	•	•	•			3%			
QFREE ENV	Spotting fluid - Environmentally friendly	•	•	•	•			As needed			
QFREE HWT	Spotting fluid - Weighted	•	•	•	•			As needed			
QLUBE	Vegetable oil-based lubricant	•	•	•	•			3 - 9			Y
QMAXLUBE HP	Extreme pressure lubricant	•	•	•	•			3 - 6			
QROP	ROP enhancer	•	•	•	•			3 - 9			
SETAC CORP.											
DRILLFAST	Triglyceride ester micro emulsion	•	•	•	•			4-14			Y
DRILLFAST BASE	Triglyceride ester base	•	•	•	•			4-14			Y
SUN SPECIALTY PRODUCTS											
C-MUL, (PAO)	Polyalphaolefin, ROP enhancer	•	•	•	•			3%			Y
COASTAL SPOT (PAO)	Stuck pipe, spotting fluid	•	•	•	•			As needed			Y
COASTALUBE (PAO)	PAO-based lubricant& ROP enhancer	•	•	•	•			3%			Y
EZE-SLIDE	Synthetic based Lubricant	•	•	•	•			1-2%			Y
LIQUIBEADS	Liquid and mechanical lubricant	•	•	•	•	•	•	2%			Y
LUBRA MAX	Mechanical, solid spherical lubricant							4-6 lbs/bbl			Y
LUBRA GLIDE	Mechanical, solid spherical lubricant	•	•	•	•	•	•	4-6 lbs/bbl			Y
TBC-BRINADD											
CL FREE	Organic amine							1-3% by vol			
INHIBISAL ULTRA B	Glycol		•	•	•			3% by vol	Y		
LUBETEX	Lubricant		•	•	•			0.5 gpb	Y		
TETRA TECHNOLOGIES, INC.											
CT 100 FR	Friction reducer				•						
CT 200 FR	Friction reducer				•						
CT FOAM	Coil tubing additive			•	•						
PAYZONE FLC SLICK	Solids free pill			•	•						
PAYZONE SMARTSEAL PAD	Solids free pill			•	•						
PAYZONE STRATA GLIDE	Lubricant			•	•						
TETRAGLIDE CT	Water-soluble brine lubricant			•							
TURBO-CHEM INTERNATIONAL											
TURBO-LUBE XLT	Lubricant	•	•	•	•	•		1-4%			Y
TURBO-SPOT	Stuck Pipe Freeing Agent	•	•	•	•	•	•				Y
SURFACTANTS											
ADM EVOLUTION CHEMICALS											
ADM 2100	Low viscosity "Green" emulsifier, lubricity enhancer, wetting agent					•	•	0.25-2			Y
ADM 750	"Green" surfactant, lubricity enhancer, wetting agent, secondary emulsifier	•	•	•	•			0.25-2			Y
ADM 3100	Low viscosity "Green" surfactant/ lubricity enhancer, wetting agent, secondary emulsifier	•	•	•	•			0.25-2			Y
AES DRILLING FLUIDS											
BLUE MAX	Drilling Detergent / Surfactant	•	•	•	•	•	•				
ENERPLUS	Liquid PHPA	•	•	•	•						

PRODUCT NAME	DESCRIPTION	Dispersed	Nondispersed	Saturated Salt	Fresh Water	Oil-Based	Synthetic Fluid	Normal Concentration Usage (lbs/bbl)	HOCNF Classification	PLONOR Listing Available	Passed LC50 Test
DRILLING DETERGENT	Multi-purpose detergent for water based fluids	•	•	•	•						
AQUA-CLEAR											
AIRFOAM 311	Foaming agent heavy salt water			•				0.05 gal/bbl			
AIRFOAM 511	Foaming agent fresh water and mild salt water				•			0.05 gal/bbl			
AIRFOAM AP-50	Foaming agent fresh water and mild salt water				•			0.05 gal/bbl			
AIRFOAM B	Foaming agent heavy salt water			•				0.05 gal/bbl			
AIRFOAM HD	Foaming agent for foaming oil			•	•			0.05 gal/bbl			
ASAP FLUIDS											
ASAP DET	Mud detergent	•	•	•	•			2-3.5			Y
ASAP CLAY	Organo Clay Dry Blend					•	•	2-10			Y
ASAP MUL- A i1	One Drum Emusifier					•	•	2-10			Y
ASAP MUL- A i 1 HT	One Drum Emusifier for High Temperatures					•	•	4-12			Y
ASAP MUL LP	Low Pour Point Emulsifier/ Emusifier for cold Regions					•	•	4-12			Y
ASAP R MUL	One Drum Emulsifier for Reservior Drilling					•	•	2-10			Y
ASAP WET	Wetting Agents					•	•	1.5-2.5			Y
ASAP MUL P	Primary Emulsifier					•	•	3-10			Y
ASAP MUL S	Secondary Emulsifier cum Wetting Agent					•	•	3-10			Y
ASAP MOD	Rheology Modifier					•	•	1-2			Y
ASAP IS	Instand Barite Suspender for Mud Transport					•	•	0.25-2.0			Y
ASAP TROL	Gilsonite					•	•	2-10			Y
ASAP TROL HT	High Softning Point Gilsonite					•	•	2-10			Y
ASAP TROL L HT	High Temperature Liquid Fluid Loss Reducer					•	•	1-4			Y
ASAP TROL P	Polymeric Fluid Loss Reducer					•	•	1-3			Y
ASAP TROL AL	Aminated Lignite					•	•	5-10			Y
ASAP THIN-O	OBM Thinner					•	•	1-3			Y
ASAP SPILL CHECK	Adsorbent for oil spill					•	•	As per req.			Y
ASAP RIG WASH	Rig Wash	•	•	•	•	•	•	4-6			Y
ASAP SOL	Wellbore Clean UP Solvent					•	•	160			Y
ASAP SURF	Spacer fluid for metal surface cleaning					•	•	35			Y
BASF											
Basosol	Non-ionic surfactants	•	•	•	•			0.1-5.0			
BAKER HUGHES											
AMPLI-FOAM FW	Freshwater foaming agent				•			1-2 gal/10 bbl			
BAKER CLEAN 5	WB casing cleaning system for removal of WB and OBM contaminants.							3-4 gal/bbl	Y		
BAKER CLEAN 6	A casing cleaning system and stabilizer for Baker Clean 5 in a viscosified system							2.5-3 gal/bbl	Y		
BIO-COTE	Wetting agent for synthetic systems					•	•	0.1-1 gal/bbl			
CLAY-COTE HT	Wetting agent and secondary emulsifier					•	•	0.25-2 ppb			
EPI-COTE 4066	Wetting agent for invert emulsion systems					•		0.5-4 ppb			
MD	Biodegradable drilling fluid detergent	•	•	•	•	•		0.02-0.04 gal/bbl	Y		
MD-II	Biodegradable drilling fluid detergent	•	•	•	•	•		0.02-0.04 gal/bbl			
MICRO-CURE E2	Mesophase remediation for cased holes	•				•	•	Varies			
MICRO-PRIME	OBM Displacement System		•		•			Varies			
MIL-CLEAN	Water-soluble, biodegradable detergent/rig wash	•	•	•	•	•	•	1% vol			
MIL-CLEAN SEA	North Sea approved rig wash detergent		•		•			1% vol	Y		
MUL-FREE RS	Non-emulsifier			•	•			0.25-0.75% vol	Y		Y
NOMUL Z	Non-emulsifier for calcium / zinc brines			•	•			0.5-1.0% vol			Y
OMNI-COTE	Wetting Agent all emulsion fluids	•				•	•	0.1-1 gal/bbl			
OMNI-COTE PLATINUM	Wetting agent for all emulsion fluids	•				•	•	0.06-0.32 gal/bbl			
PRIME 100	Wellbore OBM displacement additive	•				•	•	Varies			
PRIME 200HT	Wellbore cleaning product for high temperature displacements			•	•			Varies			
PRIME 759	Wellbore OBM displacement additive	•				•	•	Varies	Y	Y	
PRIME 770	Wellbore OBM displacement additive	•				•	•	Varies			
SURF-COTE	High-performance wetting agent for invert emulsion fluids	•				•	•	0.1-0.25 gal/bbl			
WELL WASH 100	Casing wash for water-based fluids			•	•			20-25% vol			
WELL WASH 120	Casing wash for water-based fluids			•	•			15-20% vol			
WELL WASH 2000	Surfactant/solvent blend for cleaning OBM/SBM from pits, tanks, and lines					•	•	10-50% vol			

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WELL WASH 2020	OBM Displacement fluid	•		•	•	•	•	10-20% vol			
CRODA											
MULTIWET MO-70	Wetting agent		•	•	•			0.01-1.0%			
SPAN 80	Oil Spill Dispersants					•	•	40-60%			
SYNPERNONIC LF/RA 320	High temperature Low foam wetting agent		•	•	•			0.01-1.0%			
TWEEN 80	Oil Spill Dispersants	•	•	•	•			40-60%			
TWEEN 85	Oil Spill Dispersants	•	•	•	•			40-60%			
Brij L23	Foamer		•		•			0.25-2.0%			
CrodaDrill E10	Non-ionic Emulsifier for oil-based muds					•		System based			
CrodaDrill WA10	Wetting agent, emulsifier and inverter for oil-based muds				•	•	•	0.05-0.2%			
Crodafos T6A	Foamer		•		•			0.25-2.0%			
Crodasinic LS30	Foamer		•		•			0.25-2.0%			
Crodateric CAS50	Foamer		•		•			0.25-2.0%			
Crodateric LIDP	Foamer		•		•			0.25-2.0%			
HYPERMER B-246	E for oil-based muds					•		0.25-2.0%			
INCROMIDE 716	Foam stabilizer	•	•	•			•	0.25-2.0%			
INCROMIDE CMEA	Foamer							0.25-2.0%			
Multitrope 1620	Foamer		•		•			0.25-2.0%			
NatSurf 125	Demulsifier Surfactant for wellbore clean-up				•	•		1-3%			
PRIFER 6813	Environmentally friendly solvent (d-limonene replacement)					•		10-100%			
Span 20	Non-ionic Emulsifier for oil-based muds				•	•	•	0.2-1.0%			
Synperonic 13/6	Demulsifier Surfactant for wellbore clean-up				•	•		0.2-1.0%			
SYNPERONIC A11	Wetting agent				•	•		0.01-1.0%			
SYNPERONIC LF/RA 280	Environmentally friendly low foaming wetting agent				•	•		0.5-2.0%			
SYNPERONIC LF/RA 310	Environmentally friendly low foaming wetting agent				•	•		0.5-2.0%			
SYNPERONIC NCA 850	Environmentally friendly low foaming wetting agent				•	•		0.01-1.0%			
Tween 20	Foamer		•		•			0.5-2.0%			
DRILLSAFE JANEL											
MULTI-FOAM	Foaming agent	•	•	•	•						
ELGIN SEPARATION SOLUTIONS											
KT-BREAKER	Propretary, hydrocarbon base	•	•	•	•			0.1-0.3			
GLOBAL AM-TX											
GLO SURF - 200						•	•				
GLO SURF - M						•	•				
GLO SURF - DT CD						•	•				
GUMPRO											
GEL DET	Mud detergent	•	•	•	•			2-3.5			Y
GEL CLAY	Organo Clay Dry Blend					•	•	2-10			Y
GEL MUL- A i1	One Drum Emusifier					•	•	2-10			Y
GEL MUL- A i 1 HT	One Drum Emusifier for High Temperatures					•	•	4-12			Y
GEL MUL LP	Low Pour Point Emulsifier/ Emusifier for cold Regions					•	•	4-12			Y
GEL R MUL	One Drum Emulsifier for Reservior Drilling					•	•	2-10			Y
GEL WET	Wetting Agents					•	•	1.5-2.5			Y
GEL MUL P	Primary Emulsifier					•	•	3-10			Y
GEL MUL S	Secondary Emulsifier cum Wetting Agent					•	•	3-10			Y
GEL MOD	Rheology Modifier					•	•	1-2			Y
GEL IS	Instand Barite Suspender for Mud Transport					•	•	0.25-2.0			Y
GEL TROL	Gilsonite					•	•	2-10			Y
GEL TROL HT	High Softning Point Gilsonite					•	•	2-10			Y
GEL TROL L HT	High Temperature Liquid Fluid Loss Reducer					•	•	1-4			Y
GEL TROL P	Polymeric Fluid Loss Reducer					•	•	1-3			Y
GEL TROL AL	Aminated Lignite					•	•	5-10			Y
GEL THIN-O	OBM Thinner					•	•	1-3			Y
GEL SPILL CHECK	Adsorbent for oil spill					•	•	As per req.			Y
GEL RIG WASH	Rig Wash	•	•	•	•	•	•	4-6			Y
GEL SOL	Wellbore Clean UP Solvent					•	•	160			Y
GEL SURF	Spacer fluid for metal surface cleaning					•	•	35			Y
LAMBERTI SPA											
ALBISOL AT	Cleaner/spacer	•	•	•	•	•	•	2-10%			
ALBISOL DM	Washer/spacer	•	•	•	•	•	•	2-10%			
ALBISOL K100	Cleaner/Spacer for grease residues	•	•	•	•	•	•	2-10%			
ALBISOL OE	Solvent based pipe cleaner					•		2-10%			
DRILTAL DK	Anti sticking / Anti bit balling	•	•	•	•			1-3			
DRILTAL 131	Anti bit balling agent / cleaner	•	•	•	•			1-10			
FOAMEX SAL	Salt tolerant foaming agent	•	•	•	•			1-10			
FOAMEX TX	Concentrate forming agent	•	•		•			0.5-5			
LAMBERTI USA											
ALBISOL DET	Drilling detergent & anti bit balling agent	•	•	•	•			1-10			

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CLEAR RIG	Effective cleaning agent	•	•	•	•			1-10			
DRILTAL CONCENTRATE	Concentrated drilling detergent	•	•	•	•			1-8			
DRILTAL DD	Drilling fluids surfactant	•	•	•	•			1-10			
ALBISOL DE	Direct Emulsifier	•	•	•	•			1-10			
MAYCO WELLCHEM											
MAYCO TREAT	Surfactant de-emulsifier	•	•	•	•			0.2-0.5			
M-I SWACO											
CLEAN UP	Surfactant blend	•	•	•	•	•	•	1-100%			Y
D-D	Drilling detergent	•	•	•	•			0.5-6			Y
DEEPCLEAN	Solvent/surfactant wash chemical O/SBM					•	•	5-20%			
DEEPCLEAN NS	Solvent/surfactant wash chemical O/SBM					•	•	5-20%	YELLOW		
DRILZONE	ROP enhancer	•	•		•			1-2vol%			Y
DRILZONE L	Low-cost anticrete	•	•		•			1-2vol%			
FLOWBAK	Non-Ionic Surfactant - Flowback Enhancer			•	•			0.1-1.0vol%			
KLEEN UP	Surfactant cleaner					•	•				
PEN-8	Surfactant - OB Filtercake Dispersion					•		3-8vol%			
PEN-X	Surfactant - OB Filtercake Dispersion					•		5-20vol%			
SAFE-SOLV E	Pipe dope pickle solvent					•		2-20%			
SAFE-SOLV OM	Dispersible solvent for OBMs and SBMs					•	•	2-20%			
SAFE-SURF E	Non-ionic wellbore cleaning agent for OBM and WBM	•	•	•	•	•	•	2-15 vol%			
SAFE-SURF O II	Displacement wash chemical for WBM	•	•	•	•			1-10%			
SAFE-SURF W	Surfactant-base detergent	•	•	•	•			2-10%			
SAFE-SURF WN	Displacement wash chemical for WBM	•	•	•	•			2-10%	YELLOW 2		
SAFE-T-PICKLE	Pipe dope solvent	•	•	•	•			100%			
SCREENKLEEN	Stops screen blinding from tar & heavy oil	•	•	•	•			0.5-1 vol%			
ULTRAFREE	ROP enhancer for ULTRADRIL system		•	•	•			1-2vol%			
ULTRAFREE NS	ROP enhancer for WBM			•	•			1-2 vol%			
VERSATRIM	Reduces oil on cuttings for OBM					•		2-6			
MONTELLO											
HME ENERGIZER	Wetting agent, coupler for gilsonite	•	•	•	•			0.1-0.5 ppb	N	N	Y
NEWPARK FLUIDS SYSTEMS											
ATTRACT	Fluid conditioner for coiled tubing		•	•				0.25-3			
DYNADET E	Detergent	•	•	•	•			0.1-0.7			
OPTICLEAN E	Rig Wash	•	•	•	•			0.1 - 1.0			
DYNADET	Detergent	•	•	•	•			0.17-0.8			Y
EVOCON	Fluid conditioner	•	•	•	•			0.25-3			Y
NOV FLUIDCONTROL											
DE-2000 Plus	ROPenhancer	•		•	•			2 to 4%			
CLEAR-BREAK RA	demulsifier	•		•	•			.0025% to 1%			
ECO-SPERSE	oil dispersant	•	•	•	•			0.25-5%			Y
SURF-FREE CB	surfactant	•	•	•	•			0.2% to 1%			
PETRO-WET	wetting agent for PETROS (diesel) mud					•		0.25 to 1 lbs/bbl			
PETRO-WET T	concentrated wetting agent for PETROS (diesel) mud					•		0.25 to 1 lbs/bbl			
PERM-CON	demulsifier			•	•			0.25 to 1 lbs/bbl			
TERRA WA	wetting agent onshore					•	•	0.25 to 1 lbs/bbl			
TERRA WA-T	concentrated wetting agent onshore					•	•	0.25 to 1 lbs/bbl			
HME	Surface active agent	•	•	•	•			0.2 to 0.4%			
TENSION-EZE	Drilling mud detergent	•	•	•	•			0.1-0.4			Y
WAVE WA	wetting agent offshore					•	•	0.25 to 1 lbs/bbl			
WAVE WA-T	concentrated wetting agent offshore					•	•	0.25 to 1 lbs/bbl			
OLEON N.V.											
RADIAGREEN CLO	Stimulation additive and mud cake breaker					•	•				
RADIAGREEN CLW	Cased hole cleaner	•	•	•		•	•				
QMAX											
MAXKLEEN	Aqueous blend of surface-active agents		•	•	•			0.1 - 0.2			
MUD LITE	Enhanced foam surfactant		•	•	•			0.05 - 0.1			
QFOAM	surfactant agents designed to produce foam		•	•	•			0.05 - 0.1			
QMAXCLEAN	Surfactant for wellbore clean-up operations with NAF		•	•	•			As needed			
QMAXSURF OW	Surfactant used for displacing WBM and NAF	•	•	•	•	•	•	As needed			
QMAXSURF W	Surfactant used for displacing WBM	•	•	•	•			As needed			
SOLMAX	Mutual solvent	•	•	•	•			2 - 10%			
WELLKLEEN	Surfactant to displace NAF		•	•	•			3 - 10%			

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SUN SPECIALTY PRODUCTS											
MUL SPERSE	Wetting agent and coupler	•	•	•	•			0.0001			Y
DRILL CON	Surfactant based inhibitor	•	•	•	•			1%-3%			Y
TBC-BRINADD											
HYSAL ACTIVATOR	Catalyst for polymer hydration	•	•	•				0.5 gal/bbl			
AO-COUPLER	Emulsifier										
AO-EW	Emulsifier/wetting agent										
TETRA TECHNOLOGIES, INC.											
TDSP II OMD	Surfactant wash					•	•				
TDSP II O-SOL	Surfactant wash	•	•	•	•						
TDSP II O-SOL PLUS	Surfactant wash	•	•	•	•						
TETRA OMD	Surfactant					•	•				
TETRA O-SOL	Surfactant	•	•	•	•						
TETRASOL	Surfactant/solvent blend	•	•	•	•						
TETRASOL PDR	Surfactant/solvent blend - pipe dope remover	•	•	•	•						
TETRASOL PDR EF	Surfactant/solvent blend - pipe dope remover	•	•	•	•						
TETRASOL PDR PLUS	Surfactant/solvent blend - pipe dope remover	•	•	•	•						
TADS II - TC901	Surfactant wash			•	•						
TADS II - TC 902	Surfactant wash			•	•						
TADS II - TC 903	Surfactant wash			•	•						
TETRAClean 106	Water conditioner										
TETRAClean 107	Non-ionic surfactant blend			•	•						
TETRAClean 110	Mutual solvent	•	•	•	•	•	•				
TETRAClean 205	Non-ionic surfactant blend			•	•						
TETRAClean 900	Proprietary blend of surfactants and solvents			•	•						
TETRAClean 901	Solvent blend			•	•						
TETRAClean 902	Solvent blend			•	•						
TETRAClean 903	Solvent blend			•	•						
THINNERS/DISPERANTS											
AES DRILLING FLUIDS											
AES SPERSE	Dispersant/thinner for all oil based drilling fluids					•	•				
ENER SPERSE	Oil mud dispersant for ENERREACH system					•	•				
ASAP FLUIDS											
ASAP LIG	Caustisized Lignite	•			•			5 -9			Y
ASAP LIGNITE	Powdered Lignite	•			•			5-9			Y
ASAP CR	Chrome lignite	•			•			5-9			Y
ASAP K-LIG	Potassium lignite	•			•			7-12			Y
ASAP CFD	Chrome Free Deflocculant	•	•	•	•			5-9			Y
ASAP HT THIN	Polymeric Deflocculant for high temperature	•	•	•	•			2-5			Y
ASAP THIN-W	Polymeric Deflocculant	•	•	•	•			0.5- 2			Y
BASF											
Alcomer 74 types				•	•						
Polythin	Synthetic high temp. deflocculant	•	•	•	•			0.5-2			
BAKER HUGHES											
ALL-TEMP	Deflocculant/rheology stabilizer for water-based fluids in high temperature environments	•	•	•	•			0.5-3 ppb	Y		Y
LIGCO	Ground leonardite	•			•			2-8 ppb			Y
LIGCON	Ground causticized leonardite	•			•			2-8 ppb			Y
MIL-TEMP	Contamination-resistant HPHT rheological stabilizer for WBM, > 500°F	•	•	•	•			1-2 ppb	Y		Y
NEW-THIN	Synthetic deflocculant	•	•	•	•			0.5-1.5 ppb			Y
UNI-CAL	Chrome-modified sodium lignosulfonate	•			•	•		2-6 ppb			Y
UNI-CAL CF	Chrome-free lignosulfonate	•	•	•	•			1-5 ppb			Y
CRODA											
HYPERMER 2296	Polymeric dispersant for oil-based systems					•	•	1-3%			
HYPERMER 2524	Polymeric dispersant for oil-based systems					•	•	1-3%			
KEMELIX 7475X	Polymeric dispersant for oil-based systems					•	•	0.02-0.2%			
CrodaDrill T20	Dispersant for organics and polymers (Rheology modifier)					•	•	1-3%			
ZEPHRYM PD 7000	Dispersant for water-based systems	•	•	•	•			0.2-2.0%			
ZEPHRYM SD 1121	Anionic dispersant for water-based systems	•	•	•				0.2-2.0%			
DRILLING SPECIALTIES CO.											
CF DESCO DEFLOCCLANT	Chrome free modified tannin	•	•	•	•			0.25-6		Y	Y
CF DESCO II DEFLOCULANT	Chrome free modified tannin	•	•	•	•			0.25-6		N	Y
DESCO DEFLOCCULANT	Modified tannin	•	•	•	•			0.25-6		Y	Y
DRILL-THIN THINNER	Chrome free modified tannin	•	•	•	•			0.25-6		Y	Y
DRILLSAFE JANEL											
CARBOX S	Polymeric dispersant		•		•			0.05-.1			
MULTICRYL	Acrylic polymer	•	•	•	•			0.05-.1			

PRODUCT NAME	DESCRIPTION	Dispersed	Nondispersed	Saturated Salt	Fresh Water	Oil-Based	Synthetic Fluid	Normal Concentration Usage (lbs/bbl)	HOCNF Classification	PLONOR Listing Available	Passed LC50 Test
MULTILIG AF	Alu-iron lignite		•	•	•			0.1-2			
MULTILIG K	Potassium Ignite		•	•	•			0.1-2			
ECO FLUIDS											
ECOSPERSE	Oil mud thinner					•	•	2-Jan			
ECOSULFONATE	HT liquid thinner		•	•	•			0.5 - 2			Y
ECOCFL II	Crome free lignosulfonate	•	•	•	•			8-Feb			Y
ECOTHIN E	Liquid thinner	•	•	•	•			1 -2			Y
ELGIN SEPARATION SOLUTIONS											
KEM-THIN	Anionic polyacrylate, liquid	•	•	•	•			0.25-3.0			
KEM-THIN 5A	Anionic polyacrylate, powder	•	•	•	•			0.05-2.5			
ELKEM AS, MATERIALS											
ESM D2	Deflocculant for Micromax	•	•	•	•			0.75-4.5	Y	Y	Y
EMERY											
TERRADRIL V 408	Wetting agent					•	•	0.2-2			
TERRADRIL V 988	OBM thinner					•	•	0.2-2			
GLOBAL AM-TX											
GLO - LIGNOTHIN	Ferrochrome lignosulfonate thinner for all water-based muds; exhibits high heat stability				•	•					
GLO - POLY THIN	Co-polymer deflocculant complex; stabilizes rheological properties of water-based drilling fluids at elevated temperatures				•	•					
GLO - THIN CF					•	•					
GLO - THIN R					•	•					
GRAIN PROCESSING CORP.											
CONTROL I-920	Deflocculant, calcium control agent	•		•	•			3-5			Y
CONTROL I-930	Deflocculant, calcium control agent	•		•	•			3-5			Y
GUMPRO											
GEL LIG	Caustisized Lignite	•			•			5 -9			Y
GEL LIGNITE	Powdered Lignite	•			•			5-9			Y
GEL CR	Chrome lignite	•			•			5-9			Y
GEL K-LIG	Potassium lignite	•			•			7-12			Y
GEL CFD	Chrome Free Deflocculant	•	•	•	•			5-9			Y
GEL HT THIN	Polymeric Deflocculant for high temperature	•	•	•	•			2-5			Y
GEL THIN-W	Polymeric Deflocculant	•	•	•	•			0.5- 2			Y
LAMBERTI SPA											
EMULAM HP120	High efficiency thinner/ dispersant for OBM					•	•	0.5-3			Y
LAMSPERSE 100	Liquid polyacrylate based, synthetic thinner - chrome free	•	•		•			0.2-3			Y
LAMSPERSE 300	Liquid calcium tolerant synthetic copolymer for HT	•	•		•			0.2-2			Y
LAMSPERSE TH II	Chrome free powder thinner for HT	•		•	•			0.2-3			
RHEOMATE	Liquid zirconium complex, thinner / stabilizer for HT conditions	•	•		•			.05-5			Y
LAMBERTI USA											
EMULAM TH	Thinner / dispersant for OBM					•	•	0.5-3			
LAMSPERSE TH II	Powder, Chome free modified tannin based dispersant	•	•	•	•			0.2-3			
LAMSPERSE 200	Liquid, synthetic polymer, HT dispersant	•	•	•	•			0.5-3			
RHEOMATE	Zirconium complex based dispersant / HT extender	•	•	•	•			0.5-3			
M-I SWACO											
NOVAWET	Wetting agent for synthetic muds						•	1-5			
PTS-200	Polymeric temperature stabilizer	•	•	•				2-5	YELLOW		Y
RESINEX II	High-temperature synthetic resin	•	•	•	•			2-10			
RheThin	Flat rheology system thinner					•	•	0-25-1.0			
SPERSENE	Chrome lignosulfonate	•			•	•		1-12			
SPERSENE CF	Chrome Free lignosulfonate	•			•	•		1-12			
SUREWET	Wetting agent for syn. RDF systems						•	1-5			
TACKLE	Sodium polyacrylate	•	•		•			0.1-1			Y
TANNATHIN	Ground lignite	•	•	•	•			1-15			Y
THINSMART	Organic FCA and rheological additive	•	•	•	•			1-6			Y
VERSATHIN HF	Version of VERSATHIN made with VERSACOAT HF					•		0.5-2			
XP-20 N	Chrome lignite, neutralized	•	•	•	•			1-15			
NEWPARK FLUIDS SYSTEMS											
FLEXTHIN HTZ	High-temperature thinner	•	•	•	•			0.5-10			Y
GAGECON	Anion surpressor		•		•			0.5-1			Y
NEWEDGE	Fluid conditioner and fluid loss reducer	•	•	•	•	•	•	2-10	Y		
NEWFLOW	Ferrochrome lignosulfanate	•			•			2-5			Y
NEWLIG	Lignite	•	•	•	•			2-5			Y
NOV FLUIDCONTROL											
LIQUI-THIN	Polymeric deflocculant	•			•	•		1 to 4 lbs/bbl			Y
CHEMSPERSE	Chrome lignosulfonate	•			•	•		2 to 6 lbs/bbl			Y
CHEMSPERSE CF	Chrome-free n lignosulfonate	•			•	•		2 to 6 lbs/bbl			Y
CHEMTEMP	High temp degeller	•			•	•		3 to 8 lbs/bbl			
ECO-SPERSE	Modified lignosulfonate	•			•	•		0.25-5			Y

PRODUCT NAME	DESCRIPTION	Dispersed	Nondispersed	Saturated Salt	Fresh Water	Oil-Based	Synthetic Fluid	Normal Concentration Usage (lbs/bbl)	HOCNF Classification	PLONOR Listing Available	Passed LC50 Test
MAX-SPERSE	Chrome tannin	•		•	•			2 to 6 lbs/bbl			
MAX-SPERSE CF	Chrome-free tannin	•		•	•			2 to 6 lbs/bbl			
PETRO-THIN	Thinner for diesel based drilling fluids					•		0.25 to 1.5 lbs/bbl			
NOV LIG R	Processed lignite, resin modified	•		•	•			2 to 6 lbs/bbl			Y
NOV LIG	Processed lignite	•		•	•			2 to 6 lbs/bbl			Y
NOV LIG pH	Processed lignite, caustized	•		•	•			2 to 6 lbs/bbl			Y
WAVE THIN	Synthetic based mud thinner offshore					•	•	0.25 to 1.5 lbs/bbl			
TERRA THIN	Synthetic based mud thinner offshore					•	•	0.25 to 1.5 lbs/bbl			
SAPP	Sodium acid pyrophosphate	•			•			0.1 to 0.5 lbs/bbl			Y
PRIME ECO GROUP, INC.											
DTHIN-12	Chrome free thinner	•	•	•	•			0.5-2			Y
DTHIN-18	Chrome free thinner for weighted fluids	•	•	•	•			3-6			Y
QMAX											
MAX HT	Defflocculant for HT applications	•	•	•	•			1 - 3			
MAX HT PLUS	Acrylic copolymer	•	•	•	•			1.5 - 4.0			
MAXTHIN	Thinner for NAF					•	•	1 - 3			
QDEFLOC	Chrome-free acrylate based dispersant	•		•	•			1 - 4			
QMAX SPL	Liquid polymeric thinner	•	•	•	•			2 - 6			
QMAXTHIN	Thinner for NAF					•	•	2 - 3			
QTHERMAPLUS	Temperature stabilizer for WBM	•	•	•	•			3 - 6			
THINMAX	Liquid, low molecular weight polyacrylate	•	•	•	•			2 - 4			
THINTEX	Liquid, low molecular weight polyacrylate	•	•	•	•			0.5 - 3			
TETRA TECHNOLOGIES, INC.											
FERROBAN	Organic iron reducer and sequestrant			•	•						
PAYZONE NE 200	Emulsion preventor			•	•						
PAYZONE NE 300	Emulsion preventor			•	•						
PAYZONE 1320	Penetrant, wetting agent		•	•	•						
TURBO-CHEM INTERNATIONAL											
E Z THIN	Surfactant blend to maintain pumpability & fluidity of E Z Squeeze	•	•	•	•	•	•	5.6 lbs/bbl			Y
WEIGHTING AGENTS											
AES DRILLING FLUIDS											
BARITE	Barite, API Spec for raising fluids mud weight	•	•	•	•	•	•				
ASAP FLUIDS											
ASAP CARB	Ground Lime Stone	•	•	•	•	•	•	As per Req			Y
ASAP BAR	Barytes	•	•	•	•	•	•	As per Req			Y
BAKER HUGHES											
AMMONIUM CHLORIDE	Solid salt for NH4Cl fluids to 9 ppg			•	•			As needed	Y	Y	
CALCIUM BROMIDE	Solid salt for 15.3 ppg			•				As needed	Y	Y	
CALCIUM CHLORIDE	Solid salt for 11.6 ppg			•				As needed	Y	Y	
DELTA-BAR	Finely-ground barite for DELTA-TEQ low-pressure impact drilling fluid					•	•	As needed	Y	Y	
HEMATITE	Iron oxide	•	•	•	•	•	•	As needed	Y	Y	
MAX-DENSE	High-density, manganese-based weighting agent	•	•	•	•	•	•	As needed			
MIL-BAR	Barite meeting API specifications	•	•	•	•	•	•	As needed	Y	Y	Y
MIL-BAR 410	Barite with 4.1 specific gravity	•	•	•	•	•	•	As needed	Y	Y	
MIL-BAR NA	Barite with 4.0 specific gravity	•	•	•	•	•	•	As needed	Y	Y	
MIL-BAR UF	Ultra fine grind barite	•	•	•	•	•	•	As needed	Y	Y	
POTASSIUM CHLORIDE	Solid salt for NoCal fluids to 9.7 ppg			•				As needed	Y	Y	
POTASSIUM FORMATE	Dry KCOOH for weight up to 13.1 ppg			•				As needed	Y	Y	
SODIUM BROMIDE	Powder for NoCal fluids to 12.7			•				As needed	Y	Y	
SODIUM CHLORIDE	Solid salt for fluids to 10 ppg			•				As needed	Y	Y	
SODIUM FORMATE	Dry NaCOOH for weight up to 11 ppg			•				As needed	Y	Y	
W.O. 30 SERIES	Sized, ground calcium carbonate (Multiple grind sizes available)	•	•	•	•	•	•	As needed	Y	Y	
CHEMTOTAL											
BAR-TITE	API Barite	•	•	•	•	•		10-60			Y
DRILLSAFE JANEL											
BARITE	OCMA grade	•	•	•	•	•					
DRILLWATE	Calcium carbonate, all grades	•	•	•	•	•					
HI-WATE	Extreme density weight material	•	•	•	•	•		150			Y
IRONOXIDE	Weighting agent H2S remover	•	•	•	•	•					
KLEEN-BAR	Acid soluble weight agent				•	•		As needed			
KLEEN-BLOCK	Acid soluble LCM				•	•		10-50			
KLEEN-BLOCK-X	Sized carbonate LCM				•	•		10-50			
KLEEN-WATE	Completion brines (calcium, zinc)				•	•		As needed			
MARITE	High density weight material	•	•	•	•	•		150			Y
MESUCO-BAR	API Barite	•	•	•	•	•		150			Y
SOLUBLE-WATE	Acid soluble weight material	•	•	•	•	•		150			Y
TEMP-WATE	Coarse grind barite	•	•	•	•	•		150			Y

ENVIRONMENTAL DRILLING AND COMPLETIONS FLUIDS DIRECTORY

PRODUCT NAME	DESCRIPTION	Dispersed	Nondispersed	Saturated Salt	Fresh Water	Oil-Based	Synthetic Fluid	Normal Concentration Usage (lbs/bbl)	HOCNF Classification	PLONOR Listing Available	Passed LC50 Test
ELKEM AS, MATERIALS											
MICROMAX	Microfine weighting agent (Mn3O4)	•	•	•	•	•	•	As needed	Y	Y	Y
MICRODENSE	Micronised ilmenite	•	•	•	•	•	•	As needed	Y	Y	Y
MAXFORM	Micromax in Pot Formate Slurry	•	•					As needed	Y	Y	Y
GLOBAL AM-TX											
BARITE		•			•						
CALCIUM CARBONATE		•			•						
HEMITITE		•			•						
GUMPRO											
GEL CARB	Ground Lime Stone	•	•	•	•	•	•	As per Req			Y
GEL BAR	Barytes	•	•	•	•	•	•	As per Req			Y
MAYCO WELLCHEM											
MAYCO CALWATE	Weighing agent sized calcium carbonate, acid soluble	•	•	•	•	•	•				
M-I SWACO											
FER-OX	API hematite	•	•	•	•	•	•	1-500			Y
MicroBar	Pneumatically conveyable micronized barite	•	•	•	•	•	•	1-599	GREEN	Y	Y
M-I BAR	API barite	•	•	•	•	•	•	1-600	GREEN	Y	Y
M-I WATE	4.1 sg barite	•	•	•	•	•	•	1-600			Y
SAFE-CARB	Sized ground marble	•	•	•	•	•	•	10-50	GREEN	Y	Y
WARP	Micronized weight material					•	•	System			
NEWPARK FLUIDS SYSTEMS											
NEWBAR	4.2 SG Barite	•	•	•	•	•	•		Y		Y
NEWCARB	Sized calcium carbonate	•	•	•	•	•	•		Y		Y
NEWCARB PLUS	Sized marble calcium carbonate	•	•	•	•	•	•				
NEWWATE	4.1 SG Barite	•	•	•	•	•	•		Y		Y
NOV FLUIDCONTROL											
CALCIUM BROMIDE	Salt			•	•			As needed			
CALCIUM CHLORIDE	Salt			•	•			As needed			
HEMATITE	Hematite	•	•	•	•	•	•	As needed			Y
NOV BAR	Barite SG = 4.2	•	•	•	•	•	•	As needed			Y
NOV CARB C	Calcium carbonate	•	•	•	•			As needed			
POTASSIUM CHLORIDE	Salt			•	•			As needed			
SODIUM BROMIDE	Salt			•	•			As needed			
SODIUM CHLORIDE	Salt			•	•			As needed			
NOV WATE	Barite SG = 4.1	•	•	•	•	•	•	As needed			
NOV WATE 4.0	Barite SG = 4.0	•	•	•	•	•	•	As needed			
QMAX											
BARITE 4.1	Barite 4.1 SG	•	•	•	•	•	•	As needed			Y
BARITE 4.2	Barite 4.2 SG	•	•	•	•	•	•	As needed			Y
CALCIUM CARBONATE	Calcium Carbonate	•	•	•	•	•	•	As needed			Y
CELESTITE	Celestite	•	•	•	•	•	•	As needed			
HEMATITE	Hematite	•	•	•	•	•	•	As needed			Y
MAXBAR F1	Micronized barite	•	•	•	•	•	•	As needed			Y
TBC-BRINADD											
ULTRACARB 2	Sized calcium carbonate	•	•	•				10-50			
ULTRACARB 5	Sized calcium carbonate	•	•	•				10-50			
ULTRACARB 12	Sized calcium carbonate	•	•	•				10-30			
ULTRACARB 20	Sized calcium carbonate	•	•	•				10-50			
ULTRACARB 30	Sized calcium carbonate	•	•	•				10-50			
ULTRASAL 5	Sized sodium chloride	•	•	•				10-50			
ULTRASAL 10	Sized sodium chloride	•	•	•				10-50			
ULTRASAL 20	Sized sodium chloride	•	•	•				10-50			
ULTRASAL 30	Sized sodium chloride	•	•	•				10-50			
TETRA TECHNOLOGIES, INC.											
BARITE	Insoluble weighting agent										
CALCIUM BROMIDE - SOLID	Calcium bromide, 95%			•	•						
TETRA 94 CALCIUM CHLORIDE - SOLID	Calcium chloride, 94-97%			•	•						
POTASSIUM CHLORIDE - SOLID (KCl)	Potassium chloride, 99%			•	•						
SODIUM BROMIDE - SOLID (NaBr)	Sodium bromide, 97%			•	•						
SODIUM CHLORIDE - DRILLER'S SALT (NACL)	Drillers' Salt										
SODIUM CHLORIDE - EVAPORATED SALT (NACL)	Sodium chloride evaporated salt			•	•						
POTASSIUM FORMATE - SOLID (HCOOK)	Potassium formate, 97%			•	•						
SODIUM FORMATE - SOLID (HCOONa)	Sodium formate, 97%			•	•						
TETRA SS COARSE	Size controlled, coarse NaCl	•	•	•							Y
TETRA SS FINE	Select grind, fine grind NaCl	•	•	•							Y
TETRA SS MEDIUM	Size controlled, med size NaCl	•	•	•							Y
TETRACARB COARSE	Size controlled, coarse CaCO3	•	•	•	•	•	•				Y
TETRACARB FINE	Select grind, fine CaCO3	•	•	•	•	•	•				Y
TETRACARB FLAKE	Sized calcium carbonate										
TETRACARB MEDIUM	Size controlled, medium CaCO3	•	•	•	•	•	•				Y
CALCIUM CHLORIDE 11.6 ppg	Stock Fluid			•	•						
CALCIUM BROMIDE 14.2 ppg	Stock Fluid			•	•						
19.2 CALCIUM/ZINC BROMIDE SOLUTION	Stock Fluid (Weighting Agent)			•	•						
ZNBR2/CABR2 20.5 SOLUTION	Stock Fluid			•	•						
TURBO-CHEM INTERNATIONAL											
E Z THIN	Surfactant blend to maintain pumpability and fluidity of E Z Squeeze	•	•	•	•	•	•	5.6 lbs/bbl			Y
OTHER											
TETRA TECHNOLOGIES, INC.											
FERROBAN	Organic iron reducer and sequestrant			•	•						
PAYZONE NE 200	Emulsion preventor			•	•						
PAYZONE NE 300	Emulsion preventor			•	•						
PAYZONE NE 400	Emulsion preventor			•	•						
PAYZONE NE 500	Emulsion preventor										
PAYZONE NE 600	Emulsion preventor										
PAYZONE NE 700	Emulsion preventor										
TADS I <13.5 LB/GAL	Viscosified weighted spacer/cleaning agent										
TADS I - 13.5-14.3 LB/GAL	Viscosified weighted spacer/cleaning agent										
TADS I - 14.4-19.0 LB/GAL	Viscosified weighted spacer/cleaning agent										
TADS III < 11.6 CACL2	Viscosified sweep										
TADS III < 14.2 CABR2											
TADS III - FRESHWATER	Viscosified sweep										
TADS III - SALTWATER	Viscosified sweep										
TDSP I <12 LB/GAL	Viscosified weighted spacer										
TDSP I <15 LB/GAL	Viscosified weighted spacer										
TDSP I <19 LB/GAL	Viscosified weighted spacer										
TDSP III - 11.6 CACL2	Viscosified sweep										
TDSP III - FRESHWATER	Viscosified sweep										
TDSP III - SALTWATER	Viscosified sweep										
TETRA O-Lok C	Filtration Aid										
COMPLETION & PRODUCTION											
TURBO-CHEM INTERNATIONAL											
TURBO-FLOW LA	Anionic Friction Reducer	•	•	•	•			.25-2%			
TURBO-FLOW HC	Cationic Frictrion Reducer	•	•	•	•			.25-2%			
TURBO-HIB H2S	Hydrogen Sulfide Scavenger	•	•	•	•	•	•	10-100 ppm			
TURBO-HIB 02	Corrosion,Oxygen, H2S Scavenger	•	•	•	•	•	•	10-1000 ppm			
TURBO-HIB B	Corrosion,Oxygen, H2S, Biocide	•	•	•	•	•	•	10-1000 ppm			
TURBO-XAN 35 L	Liquid Xanthan Gum	•	•	•	•			.25-2 ppb			
RAPID T-FLOW 260	Flow Improver	•	•	•	•			100-250 ppm			
SAFDEPAR	Non-Haz Paraffin Dispersant	•	•	•	•			250-500 ppm			
TURBO-263	Paraffin Inhibitor / Dispersant	•	•	•	•			100-2000 ppm			

Footnotes:
PLONOR status only given for materials registered for use in the North Sea
M-I SWACO classification is for Norway