



DRILLING FLUID PRODUCTS

PRODUCT LIST

PRODUCT NAME	PRODUCT DESCRIPTION
WEIGHTING AGENTS	
Barite, iron oxides, calcium carbonates and similar products possessing high specific gravity are used to control formation pressures, check formation caving and facilitate pulling dry pipe.	
IM-BAR	Barite (API 13A)
IM-HEM H	Hematite (API 13A)
IM-CARB	High Density Marble
VISCOSIFIERS	
Bentonite, attapulgite clays and polymers are used to increase viscosity for better hole cleaning and suspension of solids.	
IM-BEN 134	Bentonite (API 13A-4)
IM-BEN 135	Wyoming Bentonite (API 13A-5)
IM-BEN 136	Bentonite (API 13A-6)
IM-PAC R	Polyanionic cellulose, high viscosity
IM-XAN	Pure Xanthan Gum
IM-ZAN D	Pure Xanthan Gum, with dispersant
IM-CEL HV	CMC, high viscosity
IM-CEL HEC	HEC, Liquid and Powder
SALT-GEL	Attapulgite clay
GUAR-GEL	Guar Gum Viscosifier
IM-BORE	Boring applications, blended product
LOSS CIRCULATION MATERIAL	
The primary function of a lost circulation additive is to plug the zone of loss back in the formation away from the borehole face so that subsequent operations will not result in additional drilling fluids loss.	
IM-PLUG N	Walnut shells (F,M,C)
IM-PLUG M	Mica Flakes (F,M,C)
KWIK-PLUG	MIXTURE OF CELLULOSIC MATERIAL (F,M,C)
IM-SEAL XF	Fine ground hull
CARB-SEAL	Calcium carbonate (XF, F, M, C, XC)
FLUID LOSS CONTROL ADDITIVES	
Filtrate or fluid loss reducers serve to decrease fluid loss, a measure of the tendency of the liquid phase of the drilling fluid to pass through the filter cake into the formation.	
IM-PAC SL	Polyanionic cellulose. Low viscosity
IM-PAC R	Polyanionic cellulose, High viscosity
IM-CEL LV	CMC, Low viscosity, Pure and technical grade
IM-CEL HV	CMC, High viscosity, Pure and technical grade
IM-LOSE	Non Fermenting Starch (API 13A)
IM-LOSE HT	Modified Starch, High Temperature



DRILLING FLUID PRODUCTS

GAS SCAVENGERS	
These products are used to remove unwanted and potentially corrosive gases from the system. These include hydrogen sulfide and oxygen which may be present in the formation or through ingress.	
IM-SCAV ZC	Zinc carbonate
IM-SCAV L	Triazine, liquid
IM-SCAV OX	Oxygen scavenge, Liquid and Powder
IM-SPONGE	Ironite Sponge
SHALE STABILIZERS	
These products are used to prevent excessive wellbore enlargement and heaving or caving while drilling water-sensitive shales by reducing shale hydration.	
IM-GEL 100	Partially Hydrolyzed Polyacrylamide
IM-GEL 35	Partially Hydrolyzed Polyacrylamide, Liquid
SOLTEX™	Sodium Sulfonate Asphalt
IM-TROL HT	Sodium Sulfonate Asphalt
FOAM & DEFOAM ADDITIVES	
Foam agents are, most often, chemicals that also act as surfactants (surface active agents) to foam in the presence of water. These foamers permit air or gas drilling through water-bearing formations. Defoamers are designed to reduce foaming action, particularly in brackish and saturated saltwater mud.	
DRILL-DEFOAM L	Liquid Defoamer
DRILL-DEFOAM	Aluminum Stearate
DRILL-FOAM	Blend of foaming agents and surfactants
DRILL-FOAM Plus	Blend of foaming agents and surfactants, concentrate.
WELL PROTECTION	
pH control along with an appropriate corrosion inhibitor are used to control corrosion, neutralize hazardous acid gases and prevent scale in drilling fluids. Common corrosion inhibitors are amine- or phosphate-based products, as well as other specially formulated chemicals. Bactericide and Algaecides are used to prevent bacterial degradation of natural organic additives	
IM-HIB	Amine Corrosion Inhibitor
IM-HIB PLUS	Film Forming Amine Corrosion Inhibitor
IM-SCAL	Scale Inhibitor
DRILL-CIDE	Biocide
LUBRICANT & SPECIALTY ADDITIVES	
Lubricants are designed to reduce the coefficient of friction of drilling fluid which decreases torque and drag. Pipe-freeing agents consisting of detergents, soaps, oils, surfactants and other chemicals, these agents are intended to be spotted in an area of suspected pipe stickage to reduce friction and increase lubricity, thereby freeing the stuck pipe.	
DRILLSLIDE	Lubricant
DRILLGENT	Mud Conditioner
IM-STUCK	Pipe-freeing Agents (Un-weighted Mud)
IM-SPOT	Pipe-freeing Agents (Weighted Mud)
DRILL-SIL	Sodium Silicate (2.2 & 2.8 ratio of nSiO ₂ :Na ₂ O)



DRILLING FLUID PRODUCTS

DISPERSANTS & DEFLOCCULANTS	
These chemicals modify the relationship between viscosity and percentage of solids in a drilling mud, and may be used, further, to reduce gel strength, increase a fluid's pumpability. Principal purpose of a thinner is to function as a deflocculant to reduce attraction (flocculation) of clay particles which causes high viscosity and gel strengths.	
IM-LIG CF	Chrome Free Lignosulfonate
IM-LIG	Chrome Lignosulfonate
IM-FLOC DF	Polyacrylate Deflocculant
DRILL-SAPP	Sodium Acid Pyrophosphate (SAPP)
OIL BASED MUD ADDITIVES	
These products create a heterogeneous mixture (emulsion) of two insoluble liquids. These include fatty acids and amine-based chemicals for oil-based muds and detergents, soaps, organic acids and water-based surfactants for water-based muds. Products may be anionic (negatively charged), non-ionic (neutral) or cationic (positively charged) chemicals depending on the application.	
IM-TROL	HTHP filtration control
IM-TROL PLUS	Secondary emulsifier
IM-UL	Primary emulsifier
IM-UL PLUS	Polyamide emulsifier
IM-GEL	Organophillic Bentonite
WELL CEMENT ADDITIVES	
Products for well cementing applications. Includes high sulfur resistant and high temperature stable Class G cement, and full range of additives.	
WEL-CEM G	Cement, API CLASS 'G'
CEM-SET R	Cement Retarder
CEM-SET FL	Cement Fluid Loss Additive
CEM-SET FR	Cement Friction Reducer
CEM-SIL	Silica Flour, high purity
CEM-SIL Sand	Silica Sand, available in all mesh sizes
COMMERCIAL CHEMICALS	
Products used to control the degree of acidity or alkalinity of a fluid includes lime, caustic soda, soda ash and bicarbonate of soda, as well as other common acids and bases. Salts are used to make mud system with properties as required.	
Caustic Soda	Sodium Hydroxide for pH Control
Calcium Hydroxide	pH Control
Soda Ash	Hardness Control
Drilling Salt	Sodium Chloride and Potassium Chloride, all grades.
Calcium Chloride	Completion fluid, base
Calcium Bromide	Completion fluid, base
Glycol	MEG, TEG, Poly Glycols
SPECIALTY CHEMICALS	
Products used for hydraulic fracturing process to increase the productivity of new and existing natural gas and oil wells	
Proppant	Coated and Uncoated ceramic media

Products presented are for information purposes only and are not comprehensive. Please contact RTE for more information on complete and current drilling fluids products.

ALL PRODUCTS ARE TRADEMARK OF RTE.
SOLTEX IS A TRADEMARK OF DRILLING SPECIALITIES CO. USA