

VALVE LUBRICATION



Lubricants & Sealants | Grease Fittings | SNIPER™ Lubrication Equipment

Valve Lubrication

*Lubricants & Sealants,
Grease Fittings,
SNIPER™ Lubrication
Equipment*



VALVE LUBRICATION

LUBRICANTS & SEALANTS

GRM Flow Products is proud to carry Chemola™ Desco lubricants and sealants. Made from hydrocarbon-resistant, synthetic materials, these products can extend the life of your equipment so you can continue to produce the best results.



GREASE FITTINGS

GRM Flow Products supplies valve fittings for high pressure applications. Our valve fittings are suitable for wellhead, pipeline, industrial, petrochemical and refinery applications.



SNIPER™ LUBRICATION EQUIPMENT

Keep your valves in peak condition with GRM Flow Products' equipment for applying our world class line of lubricant, sealant, cleaner and pumpable packing. We have equipment available in the following classes:

- Air Driven (AX Series)
- Battery Driven (BX Series)
- Air/Hydraulic Driven (HX Series)
- Manual Driven (MX Series)



LUBRICANTS**Desco 960***Body Fill*DESCRIPTION

Desco 960 is formulated for valves that contain body cavities. It is an economical body fill that will displace water and other containments. Chemola™ Desco 960 has high metal adhesion to lubricate and seal gates as they enter the body cavity.

SERVICE RECOMMENDATIONS

Desco 960 is excellent for use in lubricating valves after hydrostatic testing for storage or shipping.

TYPICAL CHARACTERISTICS

Appearance	Gray, smooth
NLGI	2
Penetration (ASTM D217)	255-265
Worked Penetration, 60x (ASTM D217)	255-265
Base Oil	Mineral oil
Base Oil Viscosity	145 cSt at 40°C
Base Oil Pour Point	-10°F (-23 °C)
Thickener	Inorganic
Additives	Antioxidant/corrosion inhibitor package
Specific Gravity	1.5
Density (lb/gal)	12.6
Dropping Point (ASTM D566)	>500°F (260°C)
Flash Point	>450°F (232°C)
Temperature Range	0°F to 300°F (-18°C to 149°C)

PACKAGING INFORMATION

PART #	UNIT SIZE	CONTAINER
LL960200	14 oz. x 10	Cartridge
LL960010	10 lb	Can
LL960020	20 lb	Can
LL960040	35 lb	Pail
LL960120	120 lb	Keg
LL960400	400 lb drum c/w liner	Drum

DO NOT USE IN OXYGEN SERVICE.

LUBRICANTS**Desco 955***Premium Synthetic*DESCRIPTION

Desco 955 is a hydrocarbon-resistant synthetic lubricant containing molybdenum disulfide for added extreme pressure properties. Chemola™ Desco 955 is formulated with solid lubricants to provide lubrication to 600°F.

SERVICE RECOMMENDATIONS

Desco 955 is widely used in gas pipelines around the world. It is resistant to aliphatic hydrocarbons, butane, fuel oil, hot asphalt, hot gases, hot oil, LPG and natural gas.

TYPICAL CHARACTERISTICS

Appearance	Black, smooth, tacky
NLGI	2
Penetration (ASTM D217)	265-300
Worked Penetration, 60x (ASTM D217)	265-300
Base Oil	Natural and synthetic ester
Base Oil Viscosity	1000 cSt at 40°C
Base Oil Pour Point	-10°F (-12°C)
Thickener	Inorganic
Additives	H ₂ S/Corrosion Inhibitor package
Specific Gravity	1.0
Density (lb/gal)	8.5
Dropping Point (ASTM D566)	>500°F (260°C)
Flash Point	>470°F (243°C)
Temperature Range	-20°F to 450°F (-29°C to 232°C)
Four-Ball Wear (ASTM D2266)	0.6mm
Four-Ball EP Weld Point (ASTM D2596)	160 kgf
Storage Stability	Pass
Resistance to Water (FTM 5415)	Pass
Resistance to 50% Ethanol in Water (FTM 5415)	Pass
Resistance to Synthetic Condensate (FTM 5415 mod)	Pass
Resistance to Mineral Spirits (FTM 5415 mod)	Pass
Resistance to Diesel Fuel (FTM 5415 mod)	Pass
Resistance to HCl(aq)	Pass

PACKAGING INFORMATION

PART #	UNIT SIZE	CONTAINER
LL955110	"B" stick 3/8" x 1 1/2"	72 /box
LL955115	"C" stick 7/16" x 2 1/8"	32 /box
LL955130	"D" stick 1/2" x 2 1/4"	28 /box
LL955140	"G" stick 5/8" x 3 1/2"	14 /box
LL955150	"J" stick 1 3/8" x 8 1/2"	16 /box
LL955160	"K" stick 1 1/2" x 10 1/2"	12 /box
LL955200	14 oz. x 10	Cartridge
LL955010	10 lb	Can
LL955020	20 lb	Can
LL955040	40 lb	Pail
LL955120	120 lb	Keg
LL955400	400 lb drum c/w liner	Drum

DO NOT USE IN OXYGEN SERVICE.

FOR USE IN GATE, BALL AND PLUG VALVES.



LUBRICANTS**Desco 1055**
Premium SyntheticDESCRIPTION

Desco 1055 is a state-of-the-art synthetic lubricant that is exceedingly resistant to hydrocarbons, water and hydrochloric acid. Desco 1055 is formulated with solid lubricants to provide lubrication to 600°F.

SERVICE RECOMMENDATIONS

Frac applications, condensate, aliphatic hydrocarbons, butane, diesel fuel, hot asphalt, hot gases, hot oil, LPG, natural gas, sour gas and oil. Used worldwide for hydrogen sulfide and carbon dioxide applications.

TYPICAL CHARACTERISTICS

Appearance	Silver-black, smooth, tacky
NLGI	1.5-2
Penetration (ASTM D217)	280-310
Worked Penetration, 60x (ASTM D217)	280-310
Base Oil	Synthetic ester blend
Base Oil Viscosity	10,000 cSt at 40°C
Base Oil Pour Point	-15°F (-26°C)
Thickener	Inorganic
Additives	Antioxidant package
Solids Content	Molydisulfide, natural minerals
Dropping Point (ASTM D566)	>500°F (260°C)
Flash Point	>450°F (232°C)
Temperature Range	0°F to 600°F (-18°C to 316°C)
Storage Stability (50°C, 120 days)	Pass
Resistance to Water (FTM 5415)	Pass
Resistance to 50% Ethanol in Water (FTM 5415)	Pass
Resistance to Synthetic Condensate (FTM 5415 mod)	Pass
Resistance to Mineral Spirits (FTM 5415 mod)	Pass
Resistance to 20% Hexane in Mineral Spirits (FTM 5415 mod)	Pass
Resistance to Diesel Fuel (FTM 5415 mod)	Pass
Resistance to HCl(aq)	Pass
Resistance to Brine, 135°F (53°C) (ASTM D1748 mod)	Pass

PACKAGING INFORMATION

PART #	UNIT SIZE	CONTAINER
LL055150	"J" stick 1 3/8" x 8 1/2"	16 /box
LL055160	"K" stick 1 1/2" x 10 1/2"	12 /box
LL055010	10 lb	Can
LL055040	40 lb	Pail
LL055120	120 lb	Keg
LL055400	400 lb drum c/w liner	Drum

DO NOT USE IN OXYGEN SERVICE.

FOR USE IN GATE, BALL AND PLUG VALVES.



LUBRICANTS**Desco M50P***Arctic Grade Body Fill*DESCRIPTION

Desco M50P combines extreme -50°F low temperature functionality and superior “pumpability” in a high quality and economical valve lubricant. It has special additives in a low pour point base oil to inhibit H₂S corrosive action in valves as well as graphite to help protect threads on the gate/stem interface. This lubricant was specifically designed for use in the most hostile low temperature environments for both maintenance and frac operations.

SERVICE RECOMMENDATIONS

Desco M50P may be used as a gate valve body fill/lubricant in low temperature applications. It also works well for general purpose lubrication and frac valve greasing operations in low temperature field environments. M50P was specifically designed and tested for “pumpability” in temperatures below -50°F with exceptional results.

TYPICAL CHARACTERISTICS

Appearance	Black, smooth
NLGI	3
Penetration (ASTM D217)	265-295
Worked Penetration, 60x (ASTM D217)	265-295
Base Grease	Organoclay
Base Oil	Synthetic Blend
Base Oil Viscosity	7 cSt at 40°C
Base Oil Pour Point	-78°F (-61°C)
Thickener	Inorganic
Additives	H ₂ S/Corrosion Inhibitor
Solids Content	Graphite
Specic Gravity	0.9
Density (lb/gal)	7.5
Dropping Point (ASTM D566)	>500°F (260°C)
Flash Point	285°F (141°C)
Temperature Range	-50°F to 250°F (-46°C to 121°C)

PACKAGING INFORMATION

PART #	UNIT SIZE	CONTAINER
LL50P040	40 lb	Pail
LL50P120	120 lb	Keg
LL50P400	400 lb drum with liner	Drum



LUBRICANTS**Desco 111 LT***Low Temp Hydrogen Sulfide Service*DESCRIPTION

Desco 111 (LT) is designed for use in valves under arctic conditions (to -75 F). 111-LT is extremely resistant to hydrogen sulfide and will not mix with water, preventing freeze-up in the valve. Because it provides good metal protection and is particularly water resistant, it is the recommended lubricant for frac valves.

SERVICE RECOMMENDATIONS

Desco 111-LT can be used in the presence of diesel fuel, gas and well condensate, hydrogen sulfide, CO₂, sour crude and standard crude. Recommended for frac valves.

TYPICAL CHARACTERISTICS

Appearance	Black, smooth
NLGI	1
Penetration (ASTM D217)	320-330
Worked Penetration, 60x (ASTM D217)	330-350
Base Oil	Synthetic hydrocarbon
Base Oil Viscosity	30 cSt at 40°C
Base Oil Pour Point	-80 °F (-62 °C)
Thickener	Inorganic
Additives	H ₂ S/Corrosion Inhibitor
Solids Content	Graphite
Specific Gravity	0.8
Density (lb/gal)	6.9
Dropping Point (ASTM D566)	>500°F (260°C)
Flash Point	>470°F (243°C)
Temperature Range	-75°F to 350°F (-57°C to 177°C)
Four-Ball Wear (ASTM D2266)	0.7mm
Four-Ball EP Weld Point (ASTM D2596)	160 kgf

PACKAGING INFORMATION

PART #	UNIT SIZE	CONTAINER
LL112200	14 oz. x 10	Cartridge
LL112010	10 lb	Can
LL112020	20 lb	Can
LL112040	35 lb	Pail
LL112120	120 lb	Keg
LL112400	400 lb drum c/w liner	Drum

DO NOT USE IN OXYGEN SERVICE.

LUBRICANTS**Desco 111 HT***Valve Lubricant for Sour Service*DESCRIPTION

Desco 111 (HT) is a black, tacky grease designed for maximum hydrocarbon resistance at temperatures up to 350°F. Chemola™ Desco 111 (HT) is also highly resistant to H₂S and sour crude service.

SERVICE RECOMMENDATIONS

It is used in hydrocarbon service where resistance to sour gas is essential.

RECOMMENDED CLEAN UP SOLVENTS

- Isopropyl Alcohol
- Ethyl Alcohol
- Methyl Alcohol
- Chlorinated Solvents
- Active Solvents (Esters, Ketones, etc.)

TYPICAL CHARACTERISTICS

Appearance	Black, smooth, tacky
NLGI	1
Penetration (ASTM D217)	320-360
Penetration 60x (ASTM D217)	320-360
Base Oil	Natural and synthetic ester
Base Oil Viscosity	5000 cSt at 40°C
Base Oil Pour Point	0°F (-18 °C)
Thickener	Inorganic
Additives	Antioxidant package
Solids Content	Graphite
Specific Gravity	1.0
Density (lb/gal)	8.3
Dropping Point (ASTM D566)	>500°F (260°C)
Flash Point	>540°F (282°C)
Temperature Range	0°F to 350°F (-18°C to 177°C)
Four-Ball Wear (ASTM D2596)	200 kgf
Four-Ball EP Weld Point (ASTM D2596)	160 kgf

PACKAGING INFORMATION

PART #	UNIT SIZE	CONTAINER
LL113150	"J" stick 1 3/8" x 8 1/2"	16 /box
LL113160	"K" stick 1 1/2" x 10 1/2"	12 /box
LL113010	10 lb	Can
LL113020	20 lb	Can
LL113040	40 lb	Pail
LL113120	120 lb	Keg
LL113400	400 lb drum c/w liner	Drum

DO NOT USE IN OXYGEN SERVICE.

FOR USE IN GATE, BALL AND PLUG VALVES.

LUBRICANTS**Desco 111 HS**
Hydrogen Sulfide ServiceDESCRIPTION

Desco 111 (HS) is a synthetic lubricant for valves, swivel joints, pumps and flanges in service where sour gases are present. Chemola™ Desco 111 (HS) has high metal adhesion, corrosion resistance and is water resistant.

SERVICE RECOMMENDATIONS

Desco 111 (HS) is used worldwide in applications where hydrogen sulfide and carbon dioxide are present. Chemola™ Desco 111 (HS) can be used in the presence of acid solutions, aliphatic hydrocarbons, diesel fuel, hydrogen sulfide, sour crude, sour gas, sulfonated oils and water.

TYPICAL CHARACTERISTICS

Appearance	Black, smooth, tacky
NLGI	2
Penetration (ASTM D217)	265-300
Worked Penetration, 60x (ASTM D217)	265-300
Base Oil	Natural and synthetic ester
Base Oil Viscosity	1000 cSt at 40°C
Base Oil Pour Point	-10°F (-12°C)
Thickener	Inorganic
Additives	H ₂ S/Corrosion Inhibitor package
Solids Content	Graphite
Specific Gravity	1.0
Density (lb/gal)	8.5
Dropping Point (ASTM D566)	>500°F (260°C)
Flash Point	>500°F (260°C)
Temperature Range	-20°F to 350°F (-29°C to 177°C)
Four-Ball Wear (ASTM D2266)	0.6mm
Four-Ball EP Weld Point (ASTM D2596)	160 kgf
Oil Separation (ASTM D1742)	<2%
Resistance to Water (FTM 5415)	Pass
Resistance to 50% Ethanol in Water (FTM 5415)	Pass
Resistance to Synthetic Condensate (FTM 5415 mod)	Pass
Resistance to Mineral Spirits (FTM 5415 mod)	Pass
Resistance to 20% Hexane in Mineral Spirits (FTM 5415 mod)	Pass
Resistance to Diesel Fuel (FTM 5415 mod)	Pass

PACKAGING INFORMATION

PART #	UNIT SIZE	CONTAINER
LL111110	"B" stick 3/8" x 1 1/2"	72 /box
LL111115	"C" stick 7/16" x 2 1/8"	32 /box
LL111130	"D" stick 1/2" x 2 1/4"	28 /box
LL111140	"G" stick 5/8" x 3 1/2"	14 /box
LL111150	"J" stick 1 3/8" x 8 1/2"	16 /box
LL111160	"K" stick 1 1/2" x 10 1/2"	12 /box
LL111200	14 oz. x 10	Cartridge
LL111010	10 lb	Can
LL111020	20 lb	Can
LL111040	40 lb	Pail
LL111120	120 lb	Keg
LL111400	400 lb drum c/w liner	Drum

DO NOT USE IN OXYGEN SERVICE.



LUBRICANTS**Desco 244***Silicone Lubricant/Compound*DESCRIPTION

Desco 244 is specially formulated for expanded temperature ranges and long term lubrication in a wide variety of applications.

SERVICE RECOMMENDATIONS

Desco 244 has an extremely low coefficient of expansion and can be used in a wide range of temperatures. It can be used on O-rings, valves, metal-on-plastic and metal-on-rubber parts, cables, and switches, as well as in aqueous solutions, hydrocarbons (high and low temperature ranges), steam and water. It is not recommended for lubricating bearings.

TYPICAL CHARACTERISTICS

Appearance	Translucent white, smooth
NLGI	3
Penetration (ASTM D217)	220-250
Worked Penetration, 60x (ASTM D217)	220-250
Base Oil Viscosity	10,000 cSt at 25°C
Base Oil Pour Point	-50 °F (-45 °C)
Thickener	Fumed silica
Specific Gravity	1.0
Density (lb/gal)	8.3
Dropping Point (ASTM D566)	>500°F (260°C)
Flash Point	>460°F (238°C)
Temperature Range	-70°F to 600°F (-56°C to 315°C)

PACKAGING INFORMATION

PART #	UNIT SIZE	CONTAINER
LL244110	"B" stick 3/8" x 1 1/2"	72 /box
LL244150	"J" stick 1 3/8" x 8 1/2"	16 /box
LL244160	"K" stick 1 1/2" x 10 1/2"	12 /box
LL244200	14 oz. x 10	Cartridge
LL244010	10 lb	Can
LL244040	40 lb	Pail
LL244120	120 lb	Keg
LL244400	400 lb drum c/w liner	Drum

DO NOT USE IN OXYGEN SERVICE.

LUBRICANTS**Desco 600***Synthetic Valve Lubricant*DESCRIPTION

Desco 600 is a superior lubricant formulated for resistance to hydrocarbons. It contains 100% synthetic fluids with a non-soap thickener. Chemola™ Desco 600 is our most popular lubricant for non-sour services and is formulated for resistance to hydrocarbons, water and synthetic fluids.

SERVICE RECOMMENDATIONS

Desco 600 can be used to purge and lubricate valves after hydrostatic testing. It can be used in aliphatic hydrocarbons, crude distillates, crude oil, diesel fuel, hydrocarbon liquids, kerosene, LPG, lubricating oils and natural gas.

TYPICAL CHARACTERISTICS

Appearance	Brown, smooth, tacky
NLGI	3
Penetration (ASTM D217)	230-260
Worked Penetration, 60x (ASTM D217)	230-260
Base Oil	Natural and synthetic ester
Base Oil Viscosity	800 cSt at 40°C
Base Oil Pour Point	5 °F (-15 °C)
Thickener	Inorganic
Additives	Antioxidant package
Specific Gravity	1.0
Density (lb/gal)	8.5
Dropping Point (ASTM D566)	>500°F (260°C)
Flash Point	>450°F (232°C)
Temperature Range	-20°F to 450°F (-29°C to 232°C)
Four-Ball Wear (ASTM D2266)	0.6mm
Four-Ball EP Weld Point (ASTM D2596)	160 kgf
Storage Stability	Pass
Resistance to Water (FTM 5415)	Pass
Resistance to 50% Ethanol in Water (FTM 5415)	Pass
Resistance to Synthetic Condensate (FTM 5415 mod)	Pass
Resistance to Mineral Spirits (FTM 5415 mod)	Pass
Resistance to 20% Hexane in Mineral Spirits (FTM 5415 mod)	Pass
Resistance to Diesel Fuel (FTM 5415 mod)	Pass
Resistance to Brine, 135°F (53°C) (ASTM D1748 mod)	Pass

PACKAGING INFORMATION

PART #	UNIT SIZE	CONTAINER
LL600110	"B" stick 3/8" x 1 1/2"	72 /box
LL600115	"C" stick 7/16" x 2 1/8"	32 /box
LL600130	"D" stick 1/2" x 2 1/4"	28 /box
LL600140	"G" stick 5/8" x 3 1/2"	14 /box
LL600150	"J" stick 1 3/8" x 8 1/2"	16 /box
LL600160	"K" stick 1 1/2" x 10 1/2"	12 /box
LL600200	14 oz. x 10	Cartridge
LL600010	10 lb	Can
LL600020	20 lb	Can
LL600040	40 lb	Pail
LL600120	120 lb	Keg
LL600400	400 lb drum c/w liner	Drum

DO NOT USE IN OXYGEN SERVICE.

LUBRICANTS**Desco 620***FOR WKM Type Valves*DESCRIPTION

Desco 620 is a “peanut butter” type of synthetic lubricant/sealant used in gate valves with liquid and gas hydrocarbon service. It has a 100% synthetic fluid base and is also available in a softer version referred to as “creamy”.

SERVICE RECOMMENDATIONS

Aliphatic hydrocarbons, alkalis, dilute acids, salt water and water.

TYPICAL CHARACTERISTICS

Appearance	Brown, “peanut butter”
NLGI	0/00
Penetration (ASTM D217)	355-385 / 410-415
Worked Penetration, 60x (ASTM D217)	355-385 / 410-415
Base Oil	Natural and synthetic
Base Oil Viscosity	500 cSt at 40° C
Base Oil Pour Point	-4°F (-20°C)
Thickener	Inorganic
Additives	Antioxidant package
Solids Content	Natural minerals
Specic Gravity	1.5
Density (lb/gal)	12.6
Dropping Point (ASTM D566)	>500°F (260°C)
Flash Point	450°F (232°C)
Temperature Range	0°F to 300°F (-18°C to 149°C)

PACKAGING INFORMATION

PART #	UNIT SIZE	CONTAINER
LL620010	10 lb	Can
LL620020	20 lb	Can
LL620040	50 lb	Pail
LL620120	150 lb	Drum
LL620400	400 lb	Drum

LUBRICANTS**Desco 622***Low Temperature Hydrocarbon Service*DESCRIPTION

Desco 622 greatly expands the effective temperature range of synthetic valve lubricants while providing improved fuel and oil resistance. It is formulated with a 100% synthetic base oil blend reinforced with a state-of-the-art additive package to provide superior sealing, lubricating and resistance properties.

SERVICE RECOMMENDATIONS

Desco 622 can be used in aliphatic hydrocarbons including butane, crude, distillates, fuels, oils and propane in low temperature service. It can also be used in dilute acids, dilute alkalis, water and other low temperature applications.

TYPICAL CHARACTERISTICS

Appearance	Amber, smooth
NLGI	2
Penetration (ASTM D217)	250-280
Worked Penetration, 60x (ASTM D217)	250-280
Base Oil	Synthetic ester
Base Oil Viscosity	16,000 cSt at 40°C
Base Oil Pour Point	-20°F (-29 °C)
Thickener	Inorganic
Additives	Antioxidant package
Specific Gravity	1.1
Density (lb/gal)	8.9
Dropping Point (ASTM D566)	>500°F (260°C)
Flash Point	>580°F (304°C)
Temperature Range	-50°F to 400°F (-46°C to 204°C)
Four-Ball Wear (ASTM D2266)	1.0mm
Four-Ball EP Weld Point (ASTM D2596)	200 kgf
Storage Stability	Pass
Resistance to Water (FTM 5415)	Pass
Resistance to Synthetic Condensate (FTM 5415 mod)	Pass
Resistance to Mineral Spirits (FTM 5415 mod)	Pass
Resistance to 20% Hexane in Mineral Spirits (FTM 5415 mod)	Pass -16°C
Resistance to Diesel Fuel (FTM 5415 mod)	Pass -16°C

PACKAGING INFORMATION

PART #	UNIT SIZE	CONTAINER
LL622110	"B" stick 3/8" x 1 1/2"	72 /box
LL622130	"D" stick 1/2" x 2 1/4"	28 /box
LL622150	"J" stick 1 3/8" x 8 1/2"	16 /box
LL622160	"K" stick 1 1/2" x 10 1/2"	12 /box
LL622200	14 oz. x 10	Cartridge
LL622010	10 lb	Can
LL622020	20 lb	Can
LL622040	40 lb	Pail
LL622120	120 lb	Keg
LL622400	400 lb drum c/w liner	Drum

DO NOT USE IN OXYGEN SERVICE.

FOR USE IN GATE, BALL AND PLUG VALVES.

LUBRICANTS**Desco 660**

*Hydrocarbon Service for
McEvoy Type Valves*

DESCRIPTION

Desco 660 is a superior gate valve lubricant/sealant formulated with 100% synthetic oils and non-soap thickeners. It is very effective in gas service (except chlorine, bromine, fluorine, and oxygen) and highly resistant to washout. It has excellent metal adhesion, corrosion resistance, EP characteristics and is water resistant.

SERVICE RECOMMENDATIONS

Desco 660 can be used in aliphatic hydrocarbons, alkalis, dilute acids, salt water, water, sour crude and sour gas.

TYPICAL CHARACTERISTICS

Appearance	Dark green, smooth, tacky
NLGI	0
Penetration (ASTM D217)	355-385
Worked Penetration, 60x (ASTM D217)	355-385
Base Oil	Synthetic ester
Base Oil Viscosity	30,000 cSt at 40°C
Base Oil Pour Point	510°F (-12 °C)
Thickener	Inorganic
Additives	Antioxidant package
Specific Gravity	1.03
Density (lb/gal)	11.1
Dropping Point (ASTM D566)	>500°F (260°C)
Flash Point	>550°F (288°C)
Temperature Range	0°F to 400°F (-18°C to 204°C)
Resistance to Water (FTM 5415)	Pass
Resistance to 50% Ethanol in Water (FTM 5415)	Pass
Resistance to Synthetic Condensate (FTM 5415 mod)	Pass
Resistance to Mineral Spirits (FTM 5415 mod)	Pass
Resistance to 20% Hexane in Mineral Spirits (FTM 5415 mod)	Pass
Resistance to Diesel Fuel (FTM 5415 mod)	Pass
Resistance to Brine, 135°F (53°C) (ASTM D1748 mod)	Pass

PACKAGING INFORMATION

PART #	UNIT SIZE	CONTAINER
LL660010	10 lb	Can
LL660020	25 lb	Can
LL660040	40 lb	Pail
LL660120	120 lb	Keg
LL660400	400 lb drum c/w liner	Drum

DO NOT USE IN OXYGEN SERVICE.

FOR USE IN GATE VALVES.

LUBRICANTS**Desco 750***High Temperature Hydrocarbon Service*DESCRIPTION

Desco 750 is formulated with 100% synthetic oils and contains solid lubricants for effective lubrication at temperatures to 900°F.

SERVICE RECOMMENDATIONS

Desco 750 can be used in aliphatic hydrocarbons, asphalt, hot oil, lubricating oils and steam.

TYPICAL CHARACTERISTICS

Appearance	Black, smooth, tacky
NLGI	3
Penetration (ASTM D217)	225-255
Worked Penetration, 60x (ASTM D217)	225-255
Base Oil	Synthetic and natural ester
Base Oil Viscosity	500 cSt at 40°C
Base Oil Pour Point	-4°F (-16 °C)
Thickener	Inorganic
Additives	Antioxidant package
Specific Gravity	1.0
Density (lb/gal)	8.6
Dropping Point (ASTM D566)	>500°F (260°C)
Flash Point	>550°F (288°C)
Temperature Range	-20°F to 900°F (-29°C to 482°C)
Storage Stability	Pass
Resistance to Water (FTM 5415)	Pass
Resistance to Mineral Spirits (FTM 5415 mod)	Pass
Resistance to HCl(aq)	Pass

PACKAGING INFORMATION

PART #	UNIT SIZE	CONTAINER
LL750110	"B" stick 3/8" x 1 1/2"	72 /box
LL750115	"C" stick 7/16" x 2 1/8"	32 /box
LL750130	"D" stick 1/2" x 2 1/4"	28 /box
LL750140	"G" stick 5/8" x 3 1/2"	14 /box
LL750150	"J" stick 1 3/8" x 8 1/2"	16 /box
LL750160	"K" stick 1 1/2" x 10 1/2"	12 /box
LL750200	14 oz. x 10	Cartridge
LL750010	10 lb	Can
LL750020	20 lb	Can
LL750040	40 lb	Pail
LL750120	120 lb	Keg
LL750400	400 lb drum c/w liner	Drum

DO NOT USE IN OXYGEN SERVICE.

LUBRICANTS**Desco 800***Aromatic Hydrocarbon Service*DESCRIPTION

Desco 800 is a high purity synthetic lubricant formulated for enhanced resistance to aromatic hydrocarbons and gasoline. Its blend of heavy bodied synthetic oils promotes superior metal adhesion and resistance to hydrocarbon blends that have a high percentage of aromatic compounds.

SERVICE RECOMMENDATIONS

Desco 800 can be used in aromatics, butane, propane, unleaded gasoline and xylene.

TYPICAL CHARACTERISTICS

Appearance	Dark amber, smooth, tacky
NLGI	3
Penetration (ASTM D217)	220-250
Worked Penetration, 60x (ASTM D217)	220-250
Base Oil	Ester blend
Base Oil Viscosity	20,000 cSt at 40°C
Base Oil Pour Point	10°F (-12 °C)
Thickener	Inorganic
Additives	Antioxidant package
Specific Gravity	1.0
Density (lb/gal)	8.6
Dropping Point (ASTM D566)	>500°F (260°C)
Flash Point	>550°F (288°C)
Temperature Range	5°F to 400°F (-15°C to -204°C)
Storage Stability	Pass
Resistance to Water (FTM 5415)	Pass
Resistance to Synthetic Condensate (FTM 5415 mod)	Pass
Resistance to Mineral Spirits (FTM 5415 mod)	Pass
Resistance to 20% Hexane in Mineral Spirits (FTM 5415 mod)	Pass
Resistance to Diesel Fuel (FTM 5415 mod)	Pass

PACKAGING INFORMATION

PART #	UNIT SIZE	CONTAINER
LL800110	"B" stick 3/8" x 1 1/2"	72 /box
LL800115	"C" stick 7/16" x 2 1/8"	32 /box
LL800130	"D" stick 1/2" x 2 1/4"	28 /box
LL800140	"G" stick 5/8" x 3 1/2"	14 /box
LL800150	"J" stick 1 3/8" x 8 1/2"	16 /box
LL800160	"K" stick 1 1/2" x 10 1/2"	12 /box
LL800200	14 oz. x 10	Cartridge
LL800010	10 lb	Can
LL800020	20 lb	Can
LL800040	40 lb	Pail
LL800120	120 lb	Keg
LL800400	400 lb drum c/w liner	Drum

DO NOT USE IN OXYGEN SERVICE.

FOR USE IN GATE, BALL AND PLUG VALVES.

LUBRICANTS**Desco 990-GT***Geothermal Lubricant*DESCRIPTION

Desco 990-GT is a water insoluble synthetic valve lubricant and anti-seize for use in extreme high temperature environments such as geothermal applications. It is highly resistant to water and aqueous solutions (alkalis, acids). The solid lubricant additives contained in Chemola™ Desco 990-GT allow a greater degree of lubrication at temperatures where most lubricants fail.

SERVICE RECOMMENDATIONS

Geothermal, steam, kiln car bearings and forging operations.

TYPICAL CHARACTERISTICS

Appearance	Black, smooth, tacky
NLGI	2
Penetration (ASTM D217)	265-295
Worked Penetration, 60x (ASTM D217)	65-295
Base Oil	Synthetic hydrocarbon
Base Oil Viscosity	600 cSt at 100°C
Base Oil Pour Point	30°F (0°C)
Thickener	Inorganic
Additives	EP/antiwear package
Solids Content	Graphite
Specific Gravity	1.0
Density (lb/gal)	8.7
Dropping Point (ASTM D566)	>500°F (260°C)
Flash Point	>400°F (204°C)
Temperature Range	0°F to 2000°F (-18°C to 1093°C)

PACKAGING INFORMATION

PART #	UNIT SIZE	CONTAINER
LL990010	10 lb	Can
LL990020	20 lb	Can
LL990040	40 lb	Pail
LL990120	120 lb	Keg
LL990400	400 lb drum c/w liner	Drum

DO NOT USE IN OXYGEN SERVICE.

LUBRICANTS

Desco Frac-Seal

Water Resistant EP Grease



DESCRIPTION

Desco Frac-Seal is an enhanced-lubricity calcium sulfonate grease with excellent water resistance, pumpability and metal adhesion. It is very stable, resistant to oxidation and high temperatures. Among other applications, it is formulated for use where exposure to harsh elements is a major consideration.

SERVICE RECOMMENDATIONS

Frac valves, marine applications, and general industrial use. Desco Frac-Seal can also be used as packing lubrication.

TYPICAL CHARACTERISTICS

Appearance	Amber, smooth
NLGI	2
Penetration (ASTM D217)	265-295
Worked Penetration, 60x (ASTM D217)	265-295
Base Oil	Mineral oil
Base Oil Viscosity	480 cSt at 40°C
Base Oil Viscosity	30 cSt at 100°C
Base Oil Viscosity Index	95
Base Oil Pour Point	20°F (-7°C)
Thickener	Calcium complex
Specific Gravity	0.9
Density (lb/gal)	7.5
Dropping Point (ASTM D566)	>550°F (288°C)
Flash Point	560°F (300°C)
Temperature Range	0°F to 450°F (-18°C to 232°C)
Four-Ball Wear (ASTM D2266)	0.45 mm
Four-Ball EP Weld Point (ASTM D2596)	620 kgf
Load Wear Index (ASTM D2596)	80
Timken OK	65

PACKAGING INFORMATION

PART #	UNIT SIZE	CONTAINER
LLFRA040	40 lb	Pail
LLFRA120	120 lb	Keg
LLFRA400	400 lb drum c/w liner	Drum

DO NOT USE IN OXYGEN SERVICE.

LUBRICANTS**Steam-Xtreme Plus***Premium Steam-Resistant
Lubricant/Sealant*DESCRIPTION

Steam-Xtreme Plus is a premium, water insoluble synthetic valve lubricant formulated for extreme high temperature environments such as SAGD, steam injection and geothermal applications. Extensive laboratory and field testing confirms that Desco Steam-Xtreme Plus withstands the temperatures and conditions of steam-assisted gravity drainage, allowing valves to maintain a positive seal during operations. Withstands the maximum pressure rating of the valve.

SERVICE RECOMMENDATIONS

SAGD, steam injection, and geothermal wells.

TYPICAL CHARACTERISTICS

Appearance	Black, tacky
NLGI	2.5
Penetration (ASTM D217)	250-270
Penetration 60x (ASTM D217)	250-270
Base Oil	Synthetic blend
Base Oil Viscosity	600 cSt at 100°C
Base Oil Viscosity Index	173
Thickener	Inorganic
Additives	Corrosion inhibitors
Solids Content	Molybdeum disulfide
Specific Gravity	1.0
Resistance to water spray (ASTM D4049)	0.3%
Dropping Point (ASTM D566)	>580°F (308°C)
Flash Point	392°F (200°C)
Temperature Range	40°F to 750°F (5°C to 400°C)

PACKAGING INFORMATION

PART #	UNIT SIZE	CONTAINER
LLSXT040	40 lb	Pail
LLSXT120	120 lb	Keg
LLSXT400	400 lb drum c/w liner	Drum

DO NOT USE IN OXYGEN SERVICE.



LUBRICANTS**Desco Polymel 410***Catalytic Alkylation Service*DESCRIPTION

Desco Polymel 410 is an improved formulation for hydrocarbon resistance. It is formulated with a polymeric lubricant base to enhance high and low temperature performance and hydrocarbon resistance along with resistance to strong acids and bases. Performance is improved in the fringe temperature applications.

SERVICE RECOMMENDATIONS

Polymel 410 is the standard lubricant for use in alkylation processes using hydrouoric acid. It is also recommended for use with the following:

- acids
- alkalis
- aliphatic
- hydrocarbons
- butane
- gasoline
- hydrouoric acid
- jet fuel
- kerosene
- natural gas
- propane

It can be used as a coating to protect metal surfaces from acidic environments.

TYPICAL CHARACTERISTICS

Appearance	Purple, smooth, tacky
NLGI	2-3
Penetration (ASTM D217)	230-280
Worked Penetration, 60x (ASTM D217)	230-280
Base Oil	Synthetic blend
Base Oil Viscosity	2,800 cSt at 80°C
Thickener	Inorganic
Specific Gravity	1.1
Density (lb/gal)	9.5
Dropping Point (ASTM D566)	>500°F (260°C)
Flash Point	>300°F (149°C)
Temperature Range	-20°F to 450°F (-29°C to 232°C)
Resistance to Water (FTM 5415)	Pass
Resistance to Synthetic Condensate (FTM 5415 mod)	Pass
Resistance to Mineral Spirits (FTM 5415 mod)	Pass
Resistance to 20% Hexane in Mineral Spirits (FTM 5415 mod)	Pass
Resistance to Diesel Fuel (FTM 5415 mod)	Pass

PACKAGING INFORMATION

PART #	UNIT SIZE	CONTAINER
LL410110	"B" stick 3/8" x 1 1/2"	72 /box
LL410115	"C" stick 7/16" x 2 1/8"	32 /box
LL410130	"D" stick 1/2" x 2 1/4"	28 /box
LL410140	"G" stick 5/8" x 3 1/2"	14 /box
LL410150	"J" stick 1 3/8" x 8 1/2"	16 /box
LL410160	"K" stick 1 1/2" x 10 1/2"	12 /box
LL410200	14 oz. x 10	Cartridge
LL410010	10 lb	Can
LL410020	20 lb	Can
LL410040	40 lb	Pail
LL410120	120 lb	Keg
LL410400	400 lb drum c/w liner	Drum

DO NOT USE IN OXYGEN SERVICE.

LUBRICANTS

Desco Polymel 422

Enhanced Hydrocarbon Service



DESCRIPTION

Desco Polymel 422 now has enhanced hydrocarbon resistance with a specially formulated polymeric lubricant base and unique combination of solid additives. Polymel 422 offers superior metal adhesion under the most demanding conditions, temperatures and pressures. This new formulation has advanced corrosion inhibitors for increased resistance to oxidation. Because it is resistant to acids and alkalis it will not wash out during pipeline maintenance. Polymel 422 can be used as a coating on metal surfaces to protect from acidic environments.

SERVICE RECOMMENDATIONS

Desco Polymel 422 can be used with acids, sour crude and gas, alkalis, aliphatic hydrocarbons, butane, gasoline, hydrouoric acid, jet fuel, kerosene, natural gas, diesel, salt water, sand slurries, condensates and propane.

TYPICAL CHARACTERISTICS

Appearance	Black
NLGI	2
Penetration (ASTM D217)	280-310
Worked Penetration, 60x (ASTM D217)	280-310
Base Oil	Synthetic blend
Base Oil Viscosity	2,800 cSt at 80°C
Thickener	Inorganic
Solids Content	Molybdenum disulde, graphite
Specific Gravity	1.3
Density (lb/gal)	11.0
Dropping Point (ASTM D566)	>500°F (260°C)
Flash Point	>300°F (149°C)
Temperature Range	-20°F to 600°F (-29°C to 316°C)
Resistance to Water (FTM 5415)	Pass
Resistance to 50% Ethanol in Water (FTM 5415)	Pass
Resistance to Synthetic Condensate (FTM 5415 mod)	Pass
Resistance to Mineral Spirits (FTM 5415 mod)	Pass
Resistance to 20% Hexane in Mineral Spirits (FTM 5415 mod)	Pass
Resistance to Diesel Fuel (FTM 5415 mod)	Pass

PACKAGING INFORMATION

PART #	UNIT SIZE	CONTAINER
LL422150	"J" stick 1 3/8" x 8 1/2"	16 /box
LL422160	"K" stick 1 1/2" x 10 1/2"	12 /box
LL422010	10 lb	Can
LL422020	20 lb	Can
LL422040	40 lb	Pail
LL422120	120 lb	Keg
LL422400	400 lb drum c/w liner	Drum

DO NOT USE IN OXYGEN SERVICE.



SEALANTS**Desco TFE Seal 104***Hydrocarbon Service Sealant*DESCRIPTION

Desco TFE-Seal 104 is a synthetic lubricant/sealant formulated for general hydrocarbon service. It contains fine PTFE flakes suspended in a hydrocarbon resistant base. TFE-Seal 104 is used for sealing valves with moderate seal wear, and is also suitable for use on threads, gaskets, stuffing boxes and valve stems.

SERVICE RECOMMENDATIONS

Desco TFE-Seal 104 can be used to seal valves in the following services: Aliphatic hydrocarbons, crude distillates, crude oil, diesel fuel, hydrocarbon liquids, kerosene, LPG and lubricating oils.

TYPICAL CHARACTERISTICS

Appearance	Blue, grainy, tacky
NLGI	1-2
Penetration (ASTM D217)	280-320
Worked Penetration, 60x (ASTM D217)	280-320
Base Oil	Natural and synthetic ester
Base Oil Viscosity	800 cSt at 40°C
Base Oil Pour Point	5°F (-15°C)
Thickener	Inorganic
Additives	Antioxidant package
Solids Content	PTFE
Specific Gravity	1.3
Density (lb/gal)	10.6
Dropping Point (ASTM D566)	>500°F (260°C)
Flash Point	>500°F (260°C)
Temperature Range	0°F to 450°F (-18°C to 232°C)
Resistance to Water (FTM 5415)	Pass
Resistance to Mineral Spirits (FTM 5415 mod)	Pass
Resistance to Diesel Fuel (FTM 5415 mod)	Pass
Resistance to HCl(aq)	Pass

PACKAGING INFORMATION

PART #	UNIT SIZE	CONTAINER
LL104110	"B" stick 3/8" x 1 1/2"	72 /box
LL104115	"C" stick 7/16" x 2 1/8"	32 /box
LL104130	"D" stick 1/2" x 2 1/4"	28 /box
LL104140	"G" stick 5/8" x 3 1/2"	14 /box
LL104150	"J" stick 1 3/8" x 8 1/2"	16 /box
LL104160	"K" stick 1 1/2" x 10 1/2"	12 /box
LL104200	14 oz. x 10	Cartridge
LL104010	10 lb	Can
LL104040	45 lb	Pail

DO NOT USE IN OXYGEN SERVICE.

SEALANTS**Desco TFE Seal 108***For Hard to Seal Valves*DESCRIPTION

Desco TFE-Seal 108 is the ultimate sealant for damaged valves. It was developed and tested by a group of valve repair specialists with over 20 years combined experience. This is the ultimate sealant of internally worn or damaged valves. It contains a 100% synthetic base fluid for excellent resistance to washout from hydrocarbons. If TFE-Seal 108 won't seal your valve, it will need to be taken offline or rebuilt.

SERVICE RECOMMENDATIONS

Desco TFE-Seal 108 may be used on worn or pitted valves. It can also be used as a sealant for stuffing boxes or as an injectable packing.

TYPICAL CHARACTERISTICS

Appearance	Dark gray, grainy, tacky
NLGI	2-3
Penetration (ASTM D217)	245-275
Worked Penetration, 60x (ASTM D217)	245-275
Base Oil	Natural and synthetic ester
Base Oil Viscosity	1,000 cSt at 40°C
Base Oil Pour Point	-10°F (-12°C)
Thickener	Inorganic
Additives	H2S/corrosion inhibitor package
Solids Content	PTFE
Specific Gravity	1.1
Density (lb/gal)	9.5
Dropping Point (ASTM D566)	>500°F (260°C)
Flash Point	>500°F (260°C)
Temperature Range	-20°F to 350°F (-29°C to 177°C)
Resistance to Water (FTM 5415)	Pass
Resistance to 50% Ethanol in Water (FTM 5415)	Pass
Resistance to Synthetic Condensate (FTM 5415 mod)	Pass
Resistance to Mineral Spirits (FTM 5415 mod)	Pass
Resistance to 20% Hexane in Mineral Spirits (FTM 5415 mod)	Pass
Resistance to Diesel Fuel (FTM 5415 mod)	Pass

PACKAGING INFORMATION

PART #	UNIT SIZE	CONTAINER
LL108150	"J" stick 1 3/8" x 8 1/2"	16 /box
LL108160	"K" stick 1 1/2" x 10 1/2"	12 /box
LL108010	10 lb	Can
LL108020	20 lb	Can
LL108040	45 lb	Pail
LL108120	120 lb	Keg

**DESIGNED FOR USE BY QUALIFIED
TECHNICIANS ONLY.**

**CAN CAUSE BALL CHECK VALVE
FITTINGS TO FAIL.**

DO NOT USE IN OXYGEN SERVICE.



SEALANTS**Desco TFE Seal 110X***For Hard to Seal Valves*DESCRIPTION

Desco TFE-Seal 110X is a premium sealant for worn, damaged and leaking valves. TFE-Seal 110X is formulated with 100% synthetic base fluid for excellent resistance to washout from hydrocarbons. It contains chemically inert PTFE for ultimate sealing capability. Higher PTFE grades are available.

SERVICE RECOMMENDATIONS

Desco TFE-Seal 110X may be used on worn or pitted valves. It can also be used as a sealant for stuffing boxes or as an injectable packing.

TYPICAL CHARACTERISTICS

Appearance	Black, grainy, tacky
NLGI	4
Penetration (ASTM D217)	175-205
Worked Penetration, 60x (ASTM D217)	175-205
Base Oil	Natural and synthetic ester
Base Oil Viscosity	1,000 cSt at 40°C
Base Oil Pour Point	-10°F (-12°C)
Thickener	Inorganic
Additives	H ₂ S/corrosion inhibitor package
Solids Content	PTFE
Specific Gravity	1.1
Density (lb/gal)	9.3
Dropping Point (ASTM D566)	>500°F (260°C)
Flash Point	>500°F (260°C)
Temperature Range	-20°F to 350°F (-29°C to 177°C)
Resistance to Water (FTM 5415)	Pass
Resistance to 50% Ethanol in Water (FTM 5415)	Pass
Resistance to Synthetic Condensate (FTM 5415 mod)	Pass
Resistance to Mineral Spirits (FTM 5415 mod)	Pass
Resistance to 20% Hexane in Mineral Spirits (FTM 5415 mod)	Pass
Resistance to Diesel Fuel (FTM 5415 mod)	Pass

PACKAGING INFORMATION

PART #	UNIT SIZE	CONTAINER
LL110150	"J" stick 1 3/8" x 8 1/2"	16 /box
LL110160	"K" stick 1 1/2" x 10 1/2"	12 /box
LL110010	10 lb	Can
LL110020	20 lb	Can
LL110040	45 lb	Pail
LL110120	120 lb	Keg

DESIGNED FOR USE BY QUALIFIED TECHNICIANS ONLY.

CAN CAUSE BALL CHECK VALVE FITTINGS TO FAIL.

DO NOT USE IN OXYGEN SERVICE.

INJECTABLE PACKING**Desco 625 Pak**

*Injectable Packaging with PTFE
and Aramid Fibers*

DESCRIPTION

Desco 625 Pak injectable packing contains 100% synthetic base oils with synthetic fibers and fillers that provide a sure seal. The base fluids provide a very low coefficient of expansion (from -80°F to 500°F) while being oil resistant. The solid synthetic fibers and fillers provide a sure seal and are inert to most services.

SERVICE RECOMMENDATIONS

Desco 625 Pak can be used in hydrocarbons, steam, water, sour gas and sour crude. It is pumpable with a high pressure (10,000 psi) lubrication hand gun.

TYPICAL CHARACTERISTICS

Appearance	Green, grainy
NLGI	>6
Penetration (ASTM D217)	30-60
Base Oil	Synthetic
Base Oil Viscosity	60,000 cSt at 25°C
Base Oil Pour Point	-40°F (-40°C)
Solids Content	Synthetic fibers / fillers
Specific Gravity	1.4
Density (lb/gal)	11.9
Dropping Point (ASTM D566)	>500°F (260°C)
Flash Point	>450°F (260°C)
Temperature Range	-80°F to 500°F (-62°C to 260°C)

PACKAGING INFORMATION

PART #	UNIT SIZE	CONTAINER
LP625510	"B" stick 3/8" x 1 1/2"	100 /can
LP625550	"B" stick 3/8" x 1 1/2"	500 /can
LP625150	"J" stick 1 3/8" x 8 1/2"	16 /box
LP625425	10 lb Pail, 1" x 1/4" Coil	Pail

DO NOT USE IN OXYGEN SERVICE.

INJECTABLE PACKING**Desco Black Stem-Pak***High Temp Injectable Packing*DESCRIPTION

Desco Black Stem-Pak is a non-curing, pumpable packing that contains a blend of fibers and fillers in synthetic fluids. Black Stem Pak is specifically designed for high temperature hydrocarbon service.

SERVICE RECOMMENDATIONS

Desco Black Stem-Pak can be used in aliphatic hydrocarbons, asphalt, hot oil and steam and is excellent in geothermal applications. It is pumpable with a high pressure (10,000 psi) lubrication hand gun.

TYPICAL CHARACTERISTICS

Appearance	Black
NLGI	>6
Penetration (ASTM D217)	50-60
Base Oil	Synthetic and natural esters
Base Oil Viscosity	500 cSt at 40°C
Base Oil Pour Point	-4°F (-16°C)
Solids Content	Synthetic fibers / fillers
Specific Gravity	1.4
Density (lb/gal)	11.8
Dropping Point (ASTM D566)	>500°F (260°C)
Flash Point	>550°F (288°C)
Temperature Range	-90°F to 750°F (-40°C to 399°C)

PACKAGING INFORMATION

PART #	UNIT SIZE	CONTAINER
LP823110	"B" stick 3/8" x 1 1/2"	72 /box
LP823115	"C" stick 7/16" x 2 1/8"	32 /box
LP823130	"D" stick 1/2" x 2 1/4"	28 /box
LP823140	"G" stick 5/8" x 3 1/2"	14 /box
LP823150	"J" stick 1 3/8" x 8 1/2"	16 /box
LP823160	"K" stick 1 1/2" x 10 1/2"	12 /box
LP823812	1" x 1/8" ribbon x 12	Pail
LP823010	10 lb	Can

DO NOT USE IN OXYGEN SERVICE.

INJECTABLE PACKING**Desco Black Wellhead Pak***P-Seal Energizer*DESCRIPTION

Desco Black Wellhead Packing is a broad range injectable packing material compounded with a blend of synthetic oils, non-fiberglass synthetic fibers, dry film lubricant and inert fillers.

SERVICE RECOMMENDATIONS

Used as P-Seal energizing medium in wellhead installations and maintenance.

TYPICAL CHARACTERISTICS

Appearance	Black
NLGI	>6
Penetration (ASTM D217)	55-65
Base Oil	Synthetic
Base Oil Viscosity	200 cSt at 25°C
Base Oil Pour Point	-85°F (-65°C)
Solids Content	Synthetic fibers / fillers
Specific Gravity	1.4
Density (lb/gal)	11.6
Dropping Point (ASTM D566)	>500°F (260°C)
Flash Point	>625°F (326°C)
Temperature Range	-70°F to 250°F (-59°C to 122°C)

PACKAGING INFORMATION

PART #	UNIT SIZE	CONTAINER
LP886150	"J" stick 1 3/8" x 8 1/2"	16 /box
LP886170	3/4" x 4" stick	1 stick

DO NOT USE IN OXYGEN SERVICE.



INJECTABLE PACKING**Desco Extreme-Pak***Extreme Temperature Injectable Packing*DESCRIPTION

Desco Extreme-Pak is a pumpable packing and sealant specially formulated for water and steam service under high- and low-temperature conditions. It is pumpable using high-pressure (10,000 PSI) lubrication hand gun even at sub-zero temperatures. Chemola™ Desco Extreme-Pak contains silicone oils with inert fillers and synthetic fibers.

SERVICE RECOMMENDATIONS

Aqueous solutions, hydrocarbons (low temperature), steam and water.

TYPICAL CHARACTERISTICS

Appearance	Blue
NLGI	>6
Penetration (ASTM D217)	50-65
Base Oil	Silicone oil
Base Oil Viscosity	40,000 cSt at 25°C
Base Oil Pour Point	-65°F (-54°C)
Solids Content	Synthetic fibers / fillers
Specific Gravity	1.5
Density (lb/gal)	12.3
Dropping Point (ASTM D566)	>500°F (260°C)
Flash Point	>620°F (326°C)
Temperature Range	-70°F to 600°F (-56°C to 315°C)

PACKAGING INFORMATION

PART #	UNIT SIZE	CONTAINER
LP859110	"B" stick 3/8" x 1 1/2"	72 /box
LP859150	"J" stick 1 3/8" x 8 1/2"	16 /box
LP859160	"K" stick 1 1/2" x 10 1/2"	12 /box
LP859040	40 lb	Pail

DO NOT USE IN OXYGEN SERVICE.

INJECTABLE PACKING**Desco Green Wellhead Pak**
Packing EnergizerDESCRIPTION

Desco Green Wellhead Packing is a proprietary packing formulation that has been developed primarily for the energizing of elastomer seals in crossover bushings in wellhead applications. It has also been used quite successfully as a packing energizer in blowout preventers. A blend of silicone oils and inert synthetic fibers allows for lubrication and the necessary bridging capabilities.

TYPICAL CHARACTERISTICS

Appearance	Green
NLGI	>6
Penetration (ASTM D217)	10-30
Base Oil	Silicone oil
Base Oil Viscosity	60,000 cSt at 25°C
Base Oil Pour Point	-40°F (-40°C)
Solids Content	Synthetic fibers / fillers
Specific Gravity	1.3
Density (lb/gal)	10.5
Dropping Point (ASTM D566)	>500°F (260°C)
Flash Point	>500°F (260°C)
Temperature Range	-70°F to 250°F (-57°C to 121°C)

PACKAGING INFORMATION

PART #	UNIT SIZE	CONTAINER
LP836150	"J" stick 1 3/8" x 8 1/2"	16 /box
LP836170	3/4" X 4" stick	10 /box
LP836581	5/8" x 1" stick	35 /box

DO NOT USE IN OXYGEN SERVICE.



INJECTABLE PACKING**Desco TFE Versi-Pak***Injectable Packing Sealant*DESCRIPTION

Desco TFE Versi-Pak is an injectable packing compound containing TFE-fluorocarbon particles blended into a synthetic binder. It is a highly versatile and durable self molding packing for use in stuffing boxes and for all types of valves, pumps and mechanical equipment. It can be either pre-formed manually or pumped into place with a high pressure (10,000 PSI) grease gun. TFE Versi-Pak is chemically stable and resistant to most chemicals over a wide pH range.

SERVICE RECOMMENDATIONS

Desco TFE Versi-Pak is a permanent packing which can be supplemented and does not need to be replaced.

TYPICAL CHARACTERISTICS

Appearance	White, grainy, sticky
NLGI	6
Penetration (ASTM D217)	80-90
Base Oil	Synthetic
Base Oil Viscosity	650 cSt at 100°C
Base Oil Pour Point	41°F (5°C)
Solids Content	PTFE
Specific Gravity	1.6
Density (lb/gal)	13.7
Dropping Point (ASTM D566)	392°F (200°C)
Flash Point	-20°F to 450°F (-29°C to 232°C)
Temperature Range	0°F to 400°F (-18°C to 204°C)

PACKAGING INFORMATION

PART #	UNIT SIZE	CONTAINER
LP815110	"B" stick 3/8" x 1 1/2"	72 /box
LP815115	"C" stick 7/16" x 2 1/8"	32 /box
LP815130	"D" stick 1/2" x 2 1/4"	28 /box
LP815140	"G" stick 5/8" x 3 1/2"	14 /box
LP815150	"J" stick 1 3/8" x 8 1/2"	16 /box
LP815160	K" stick 1 1/2" x 10 1/2"	12 /box
LP815010	10 lb	Can
LP815020	25 lb	Can
LP815040	40 lb	Pail
LP815120	120 lb	Keg

DO NOT USE IN OXYGEN SERVICE.

SPECIALTY**Desco Dry Moly***Extreme Temperature Lubricant*DESCRIPTION

Desco Dry Moly Lube is an extreme temperature pressure lubricant. It is inert to water, oil, alkalies and most acids.

Desco Dry Moly Lube leaves a dry lubricated surface. It is especially suitable in areas where oil and grease cannot be used. Typical uses are automotive, refineries, chemical plants, paper mills, foundries, machine shops and other manufacturing facilities. Desco Dry Moly Lube is a heavy concentrate of micro-sized colloidal molybdenum disulfide lubricating solids in a fast evaporating carrier that has exceptional penetrating and spreading ability. It is a tough, nonconductive, dry film lubricant with strong surface bond after the carrier evaporates. It does not attract or retain grit. It is resistant to extreme temperatures and to chemical degradation. It dries to the touch in 60 seconds.

- Shake can vigorously before use
- Clean and dry surface to be coated
- Hold can 8 to 10 inches from surface
- Apply thin uniform coating
- Invert can and clear nozzle with a jet of clear gas after each use
- Desco Dry Moly can be removed with chlorinated solvent

TYPICAL CHARACTERISTICS

Appearance	Black
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PACKAGING INFORMATION

PART #	UNIT SIZE	CONTAINER
LM932500	13 oz. aerosol	12/ ctn.

SPECIALTY**Desco Super Penetrant***Fast Acting Rust & Oxide Penetrant*DESCRIPTION

Super Penetrant is a clear, all purpose industrial penetrating oil. It is scientifically formulated for maximum penetration to give faster breakout. It can be used for all dismantling jobs throughout the plant, shop, rig or wherever metal parts are hard to operate or are frozen by corrosion. The lubricant in Super Penetrant is an extreme pressure oil that plates quickly onto metal surfaces. This allows the threads to be loosened while all the metal surfaces are coated to prevent galling.

SERVICE RECOMMENDATIONS

Use as a penetrating oil.

TYPICAL CHARACTERISTICS

Appearance	Yellowish liquid
Base Oil	Mineral oil
Base Oil Viscosity	4 cSt at 40°C
Base Oil Pour Point	0°F (-18°C)
Additives	Rust and corrosion inhibitors
Specific Gravity	0.8
Density (lb/gal)	6.7
Flash Point	106°F (41°C)

PACKAGING INFORMATION

PART #	UNIT SIZE	CONTAINER
LM847001	1 pt. can	12 /ctn
LM847500	13 oz. aerosol	12 /ctn
LM847008	8 lb	4 /ctn
LM847040	40 lb	Pail
LM847400	375 lb	Drum

DO NOT USE IN OXYGEN SERVICE.

SPECIALTY**Desco Therm-O-Plate 220**

*Premium Grade Anti-Seize &
Protective Coating*

DESCRIPTION

Chemola™ Desco Therm-O-Plate 220 plates onto metal surfaces to withstand heat, pressure and wear in corrosive environments. Chemola™ Desco Therm-O-Plate 220 is water repellent, chemically resistant and non-gumming. It features a synthetic, water-resistant base that will decompose at extreme temperatures, providing dry film lubrication.

SERVICE RECOMMENDATIONS

Therm-O-Plate 220 may be used on heavy, slow-speed slide applications. It is outstanding for journal and loose-tolerance bearings, but is not recommended for use with close-tolerance bearings where binding could occur due to plating on the metal surfaces. The bearings should not be over- packed as Chemola™ Desco Therm-O-Plate 220 works best as a thin film lubricant.

TYPICAL CHARACTERISTICS

Appearance	Silver, smooth
NLGI	0
Penetration (ASTM D217)	345-370
Worked Penetration, 60x (ASTM D217)	345-370
Base Oil	Synthetic hydrocarbon
Base Oil Viscosity	230 cSt at 40°C
Base Oil Viscosity	22 cSt at 100°C
Base Oil Viscosity Index	116
Base Oil Pour Point	-22°F (-30°C)
Thickener	Inorganic
Additives	Dry film lubricants
Specific Gravity	1.0
Density (lb/gal)	8.1
Dropping Point (ASTM D566)	>500°F (260°C)
Flash Point	248°F (120°C)
Temperature Range	-40°F to 2200°F (-40°C to 1200°C)
Four-ball EP Weld Point (ASTM D2596)	160 kgf

PACKAGING INFORMATION

PART #	UNIT SIZE	CONTAINER
LM220010	8 lb	Can
LM220300	16 oz. brush top	Can
LM220500	13 oz.	Aerosol

DO NOT USE IN OXYGEN SERVICE.

SPECIALTY

Chemola™ ThredOn Absolute Copper

Premium Copper Drilling & Storage Compound



DESCRIPTION

Chemola™ ThredOn Absolute Copper is a specially formulated hybrid drilling and storage compound, developed for extreme drilling and challenging storage environments. Absolute Copper includes a high-performance corrosion inhibitor, providing excellent storage protection, while exhibiting superior running performance. Absolute Copper protects against corrosion, resists washout, and will not harden or bleed in storage.

SERVICE RECOMMENDATIONS

Absolute Copper is ideal in severe environments and resists corrosive gases such as hydrogen sulfide. It protects threads against galling and allows for ease of both makeup and breakout.

High copper, high temperature compound for entire drill string, with storage protection. Absolute Copper can be used for all drilling applications (rotary-shouldered connections), including high temperature environments. It is also effective for use on slides, jacking systems, cantilever type rigs and assemblies.

TYPICAL CHARACTERISTICS

Appearance	Copper, smooth
NLGI	1
Penetration (ASTM D217)	300-330
Worked Penetration, 60x (ASTM D217)	300-330
Base Grease	Lithium complex
Base Oil	Mineral Oil
Base Oil Viscosity	140 cSt at 40°C
Base Oil Viscosity	10 cSt at 100°C
Base Oil Pour Point	-10°F (-23°C)
Additives	Copper, corrosion inhibitors
Specific Gravity	1.3
Density (lb/gal)	10.5
Dropping Point (ASTM D566)	500°F (260°C)
Flash Point	430°F (221°C)
Temperature Range	0°F to 500°F (-18°C to 260°C)
Four-ball EP Weld Point (ASTM D2596)	620 kgf
Friction Factor (API 7A1)	1.1
Brushable To	0°F (-18°C)
Sulfur Content	<0.15%

PACKAGING INFORMATION

PART #	UNIT SIZE	CONTAINER
LT123225	8 oz. x 12	Brush Top
LT123300	16 oz. x 12	Brush Top
LT123010	10 lb	Can
LT123030	30 lb	Pail
LT123040	40 lb	Pail

CONTAINS NO LEAD.

AVAILABLE IN ARCTIC GRADE.

DO NOT USE IN OXYGEN SERVICE.

SPECIALTY**Desco Valve Cut***Frees Corroded and Frozen Valves*DESCRIPTION

Desco Valve Cut is a formulated multi-ingredient, semi-fluid combination of penetrants and lubricants designed to dissolve and cut residual gums, laquer deposits, inert solids and corrosion deposits that make valves non-functioning and hard to operate. Although not all valves are recoverable with Valve Cut, with periodic use many operators have found that valves remain operable through years of usage under severe conditions.

SERVICE RECOMMENDATIONS

For neglected valves. Helps to free frozen and non-sealing valves so that routine maintenance can be commenced. When the valve is again operational Chemola™ Desco Valve Cut must be purged from the valve by injecting the recommended Chemola™ Desco Synthetic Lubricant/Sealant for the particular service of the valve.

TYPICAL CHARACTERISTICS

Appearance	Black, smooth
NLGI	1
ASTM penetration	300 - 330
Appearance	inorganic
Thickener	Black, smooth
Specific Gravity	1.1
Density (lb/gal)	8.8
Flash Point	196°F (91°C)
Temperature range	-40°F to +400°F (-40°C to +204°C)

PACKAGING INFORMATION

PART #	UNIT SIZE	CONTAINER
LM531200	14 oz. x 10	Cartridge
LM531010	10 lb can	12 /case
LM531001	1 pt	12 /case
LM531020	25 lb	Can
LM531040	45 lb	Pail
LM531120	120 lb	Keg
LM531400	400 lb	Drum

DO NOT USE IN OXYGEN SERVICE.

SPECIALTY**DESCO VALVE FLUSH NSR***For Corroded and Frozen Valves*DESCRIPTION

Desco Valve Flush NSR is a butyl flush formulated to free up and clean difficult-to-operate lubricated valves. It cuts residual gums, lacquer deposits, inert solids and corrosion deposits that make valves hard or impossible to operate.

SERVICE RECOMMENDATIONS

Although not all valves are recoverable with Desco Valve Flush NSR, a popular maintenance suggestion is the periodic use of Valve Flush NSR. By doing this, many operators have found that valves remain operable through year of use under severe conditions. When the valve is again operational, inject the Desco synthetic lubricant recommended for the particular valve service.

TYPICAL CHARACTERISTICS

Appearance	Colorless liquid
Density (lb/gal)	154°F to 158°F (68°C to 70°C)
Flash Point	7.5
Temperature range	Up to 150°F (65°C)

PACKAGING INFORMATION

PART #	UNIT SIZE	CONTAINER
LM555040	40 lb	Pail

