



ChemolaTM Desco Catalog

Valve lubricants, Sealants and Packing

South Coast Products (SOCO) is the leading producer of packing, sealants and valve lubricants. Our Desco line is one of the largest and oldest producers of valve maintenance products. The line also offers a variety of greases for a wide range of industrial applications.



Valve Lubricants and Sealants



1055

Chemola™ Desco 1055 is a state-of-the-art synthetic lubricant that is exceedingly resistant to hydrocarbons, water and hydrochloric acid.

Chemola™ Desco 1055 is formulated with solid lubricants to provide lubrication up to 600°F. **For use in Gate, Ball and Plug Valves.**

Recommended Uses

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.



111 (HS)

Chemola™ Desco 111 (HS) is a synthetic lubricant for valves, swivel joints, pumps and flanges in service

where hydrogen sulfide and carbon dioxide are present. Chemola™ Desco 111 (HS) is water resistant and has high metal adhesion and corrosion resistance. **For use in Gate, Ball and Plug Valves.**

Recommended Uses

Chemola™ 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.



111 (HT)

Chemola™ Desco 111 (HT) is a black, tacky grease designed for maximum hydrocarbon resistance at temperatures

up to 350°F. **For use in Gate, Ball and Plug Valves.**

Recommended Uses

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



111 (LT)

Chemola™ Desco 111 (LT) is designed to lubricate valves that must perform in arctic conditions down to -75°F. 111-LT is extremely resistant to hydrogen sulfide and will not mix with

water, preventing freeze-up in the valve.

Recommended Uses

Chemola™ 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.



Frac-Seal

Chemola™ Desco Frac-Seal is an enhanced-lubricity calcium sulfonate grease with superior water resistance, pumpability and metal adhesion characteristics. It is very stable

and resistant to oxidation and high temperatures. It is formulated for use where exposure to harsh elements is a major consideration, but it has a broad array of other applications.

Recommended Uses

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



600

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

most popular lubricant for non-sour services.

For use in Gate, Ball and Plug Valves.

Recommended Uses

Chemola™ 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.



620

Chemola™ Desco 620 is a synthetic sealant/lubricant. Commonly referred to as “peanut butter”, it is typically used in WKM type 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.” **For use in Gate Valves.**

Recommended Uses

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

622

Chemola™ 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. **For use in Gate, Ball and Plug Valves.**

Recommended Uses

Chemola™ 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.



660

Chemola™ Desco 660 is a superior lubricant/sealant formulated with 100% synthetic oils and non-soap thickeners for McEvoy type gate valves. It is very effective

in gas service, except chlorine, bromine, fluorine, and oxygen, and highly resistant to washout. It is water resistant and has excellent metal adhesion, corrosion resistance and EP characteristics. **For use in Gate Valves.**

Recommended Uses

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



750

Chemola™ Desco 750 is formulated with 100% synthetic oils and contains solid lubricants for effective lubrication at temperatures to 900 degrees F. **For use in Gate, Ball and Plug Valves.**

Recommended Uses

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



800

Chemola™ Desco 800 is a high purity, synthetic lubricant formulated for enhanced resistance to aromatic hydrocarbons and gasoline. Its blend of heavy bodied synthetic oils also promotes

superior metal adhesion. **For use in Gate, Ball and Plug Valves.**

Recommended Uses

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



955

Chemola™ Desco 955 is a hydrocarbon-resistant, synthetic lubricant containing molybdenum disulfide to perform under extreme pressure. Chemola™

Desco 955 is formulated with solid lubricants to provide lubrication up to 600 degrees F. **For use in Gate, Ball and Plug Valves.**

Recommended Uses

Chemola™ 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.



960

Chemola™ Desco 960 is formulated for valves that contain body cavities. It economically displaces water and other containments and has high

metal adhesion to lubricate and seal gates as they enter the body cavity.

Recommended Uses

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



990-GT

Chemola™ Desco 990-GT is a synthetic, anti-seize valve lubricant for use in extremely high temperature environments such as geothermal and

forging applications. It is highly resistant to water and aqueous solutions such as alkalis and acids. The solid lubricant additives contained in Chemola™ Desco 990-GT allow a greater degree of lubrication at temperatures where most lubricants fail.

Recommended Uses

Geothermal, steam, kiln car bearings and forging operations.



CP37 SAGD

Chemola™ Desco CP37 SAGD is a premium, water insoluble synthetic valve lubricant formulated for extreme high temperature environments. Extensive

laboratory and field testing confirms that Chemola™ Desco CP37 SAGD withstands the temperatures and conditions of steam-assisted gravity drainage, allowing valves to maintain a positive seal during operations. This highly engineered product also withstands the maximum pressure rating of the valve.

Recommended Uses

SAGD, steam injection, and geothermal wells.



Polymel 422

Chemola™ Desco Polymel 422 now has enhanced hydrocarbon resistance with a specially formulated polymeric lubricant base and a unique combination of

solid additives. Polymel 422 offers superior metal adhesion under the most demanding conditions, temperatures and pressures. It also 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, and it can be used as a coating on metal surfaces to protect from acidic environments. Chemola™ Desco Polymel 422 performs excellently with gate, plug and ball valves throughout oil and gas production operations, pipelines and petrochemical plants. **For use in Gate, Ball and Plug Valves.**

Recommended Uses

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



TFE-Seal 110X

Chemola™ Desco TFE-Seal 110X is a premium sealant for worn, damaged, pitted and leaking valves. It is formulated with 100% synthetic base fluid for excellent resistance to washout

from hydrocarbons. It contains chemically inert PTFE for ultimate sealing capability and higher PTFE grades are available.

Recommended Uses

Chemola™ 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.



TFE-Seal 108

Chemola™ Desco TFE-Seal 108 is the ultimate sealant for internally worn or damaged valves. It contains a 100% synthetic base fluid to resist washout from hydrocarbons.

Recommended Uses

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



Valve Cut

Chemola™ Desco Valve Cut is a formulated multi-ingredient, semi-fluid combination of penetrants and lubricants designed to dissolve and cut residual gums, lacquer

deposits, inert solids and corrosion deposits that impact valve performance. Valve Cut extends the life of most valves, including valves that have been neglected or operated in severe conditions. When the valve is again operational, Valve Cut must be purged from the valve by injecting Chemola™ Desco Synthetic Lubricant/Sealant.

Recommended Uses

For neglected valves. Helps to free frozen and non-sealing valves so that routine maintenance can be commenced.

Injectable Packaging

625 PAK



Chemola™ Desco 625 PAK is one of our most popular blends. It is composed of 100% synthetic base oils with synthetic fibers and fillers to provide a sure seal. The

base fluids are oil resistant and provide a very low coefficient of expansion (from -80°F to 500°F). The solid synthetic fibers and fillers are inert to most services.

Recommended Uses

Chemola™ 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.

Extreme-Pak



Chemola™ 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 a 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.

Recommended Uses

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



Black Stem-Pak

Chemola™ Desco Black Stem-Pak is a non-curing packing that contains a blend of fibers and fillers in synthetic fluids. Black Stem Pak is specifically designed for high

temperature hydrocarbon service.

Recommended Uses

Chemola™ 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.



Black Wellhead Pak

Chemola™ Desco Black Wellhead Pak is a broad range, injectable packing material compounded with a blend of synthetic oils, non-fiberglass synthetic fibers, dry film

lubricant and inert fillers.

Recommended Uses

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



Green Wellhead Pak

Chemola™ Desco Green

Wellhead Pak is a proprietary packing formulation developed primarily for energizing elastomer seals in crossover bushings in

wellhead applications. A blend of silicone oils and inert synthetic fibers provides lubrication and the necessary bridging capabilities.

Recommended Uses

Has been used quite successfully as a packing energizer in blowout preventers.



Silicone Pak Extra

Chemola™ Desco Silicone Pak Extra is a synthetic, silicone-graphite sealant/packing formulated for applications with extreme temperature differentials when minimal

thermal expansion is required. It can be used to energize and repair damaged seals.

Recommended Uses

Aliphatic hydrocarbons, crude distillates, crude oil, diesel fuel, hydrocarbon liquids, LPG, sour gas, sour crude, water (not potable), steam, mild acids and caustics.



TFE Versi-Pak

Chemola™ Desco TFE

Versi-Pak is a permanent, 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.

Recommended Uses

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



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A Chemola™ Desco chemical compatibility chart
is available on the website or upon request.