

VALVE LUBRICANTS, SEALANTS, CLEANERS AND PACKING “Materials Built to Exact Specifications”



COMPARISON INFORMATION

When selecting a valve lube sealant, valve cleaner, or a valve stem packing, the material in the “line” being controlled by the valve to be serviced, is the primary consideration, closely followed by temperature and pressure considerations. Any of several products may be adequate for a particular application. But considerations, such as the need for extra lubricity, sealability, the material’s ability to “plate out” (cover and protect) metal surfaces, the presence of CO₂, H₂S, water, and trash such as sand, rust, dust, old hardened sealants and welding slag, are also extremely important considerations.

Material comparisons should be based upon formula, physical properties, and application (functional similarities). Since the proprietary formulas of other companies’ materials are not available, the only comparisons that can legitimately be made have to be based on application and, to an extent, physical properties. Also, experience has taught that even basing a decision on the lube sealant currently in use may not be the best approach. All too often, the lube sealant or packing from another company currently in use, is inadequate or just wrong for the application intended.

DUALCO predominantly uses synthetic oil-based materials instead of (vegetable) oil-based products. Products are manufactured utilizing a reaction blending process, and are not just “cold blended.”

Contact DUALCO to discuss your need for specific applications. DUALCO will custom blend special formulations that are not shown. Products can be manufactured to suit specific customer requirements.



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APPLICATION INFORMATION

DUALCO VALVE LUBRICANTS, SEALANTS, PACKING, AND CLEANERS are manufactured to the highest standards with the best available materials. When using DUALCO products, you are partnering with one of the world's premium lubrication equipment manufacturers.

The importance of using DUALCO Valve Lube Sealants is underscored by in-depth laboratory testing. Successful use by a large variety of users, for many years is well documented.

REASONS TO USE DUALCO VALVE LUBE SEALANTS

- Valve Lube Sealants are tested to assure maximum valve performance, as these Features are stressed:
 - a. Support and maintain proper valve operating torque
 - b. Resistance to harmful solvents
 - c. Water insolubility
 - d. Extreme temperature resistance
 - e. Shear stress boundaries
 - f. Chemical degradation limits
 - g. Lubricity
 - h. Sealability
- All products are closely controlled throughout the manufacturing process.
- Complete laboratory testing is conducted to assure all products are non-hazardous, non-toxic, biodegradable and environmentally safe.
- Traceability is maintained for a minimum of one year on every product batch. Traceability for additional years can be offered upon request.
- Technical assistance, expertise, and quality assurance reports are available upon request.
- Custom, formulated products, made to customer specifications for a variety of services are available.

WHAT IS A VALVE LUBE SEALANT

- Valve Lube Sealants are available in at least two common forms:
 - a. **STICK** form is generally used when sealability is the most important requirement by, but not limited to Plug Valves. "J", "K", and "S5" Sticks are packaged in biodegradable cellophane. Other sizes are packaged in plastic containers.
 - b. **BULK** form is generally used when lubricity is the most important requirement by, but not limited to Gate and Ball Valves. Less viscous, bulk material easily flows through small lubrication ports and confined lubricant channels, providing critical lubrication to these hard-to-reach valve parts. See Ordering Information for bulk packaging.
- Both Stick and Bulk forms provide:
 - a. Lubricity
 - b. Sealability
 - c. Viscosity variance
 - d. Compatibility with all Valve Maintenance equipment



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- Both Stick and Bulk forms are available in Industry standard stick and bulk packaging. See ordering Information.
- Synthetic base oils, thickeners and additives are chemically reacted to form premium products.
- Valve Lube Sealants are an integral part of every lubricated Plug valve and other lubricated valve styles.
- When the proper Valve Lube Sealant is used, the chemical attacks and corrosive characteristics of pipeline flow material is resisted.
- A flexible renewable seal around the valve port is formed when the proper Valve Lube Sealant is used.

THE IMPORTANCE OF USING DUALCO VALVE LUBE SEALANTS

- To secure an absolutely pressure tight seal.
- Form a seal and provide a lubricating film between the valve's internal sealing surfaces.
- Depending on the service application, a valve seal can be maintained over a range of temperatures and pressure with the correct lube sealant.
- Lubricates and prevents unwanted metal-to-metal contact and galling of valve sealing surfaces.
- In lubricated valves, sealant provides a flexible and renewable seat. For this reason, the sealant must not only have correct plasticity, but also resistance to pipeline fluids such as harmful solvents and chemicals.
- Plug Valve "Jacking" occurs when the pressurized Lube Sealant supplies the hydraulic means for lifting the plug from its tapered seat.
- Corrosion resistance and corrosion prevention of internal valve parts is enhanced.



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GENERAL PURPOSE (GP)

General Purpose combination lubricant / sealant is suitable for plug, ball and gate valves. DUALCO GP is off-white in color and has a temperature range of - 28° F to + 400° F. DUALCO GP meets U.S. Government Specification SAE. AMS-G-6032, NATO Code #G-6032 "Grease, Plug Valve, Gasoline & Oil Resistant." DUALCO GP is 100% synthetic and is designed for use in valves controlling the flow of natural gas, crude oil, gasoline, jet fuel, lubricating oils or mixtures of these products. It is water resistant, inhibited for H₂S and CO₂ applications and resistant to organic acids and caustic solutions. Although it contains an excellent antioxidant, DO NOT use this material for oxygen service.

Features: DUALCO GP is made from 100% synthetic materials. It is inhibited to resist H₂S (<1000 ppm) and CO₂ (< 40%). It provides high metal adhesion and excellent corrosion resistance. This material is water insoluble and washout resistant. Suitable for use in all hydrocarbon services.

Packaging: Industry standard stick and bulk packaging. See Ordering Information.

GENERAL PURPOSE BLACK (GPB)

General Purpose Black is a combination lubricant / sealant with ultra-fine graphite added for additional lubricity. This material is suitable for use in plug, ball, and gate valves. DUALCO GPB is black in color and has a temperature range of - 28° F to +400° F. U.S. Government Specification SAE. AMS-G-6032, Nato Code #G-6032 "Grease, Plug Valve, Gasoline & Oil Resistant" applies to this product. DUALCO GPB is 100% synthetic with stable, non-reactive materials and is designed for use in valves controlling the flow of natural gas, crude oil, gasoline, jet fuel, lubricating oils or mixtures of these products. It is water resistant, is inhibited for H₂S (<1000 ppm) and CO₂ (<40%) applications and is resistant to organic acids and caustic solutions. Although it contains an excellent antioxidant, DO NOT use this material for oxygen service.

Features: DUALCO GPB is made from 100% synthetic materials and utilizes ultra-fine graphite to increase lubricity. Ultra-fine graphite has the advantage of being totally non-reactive and will not build up in the valve. The lube sealant is inhibited to resist H₂S (<1000 ppm) and CO₂ (<40%) while providing high metal adhesion and excellent corrosion resistance. This material is water insoluble and washout resistant. Suitable for use in all hydrocarbon services.

Packaging: Industry standard stick and bulk packaging. See Ordering Information.

PREMIUM (P)

Premium is a 100% synthetic combination lubricant / sealant capable of handling extreme pressures and suitable for ball, plug and gate valves. DUALCO PREMIUM provides outstanding lubricity resulting in up to 50% less operating torque in close tolerance valves used in controlling the flow of hydrocarbon gases and liquids. It is brownish-yellow in color, has a temperature range of - 30° F to + 450° F and extensively inhibited for use in H₂S, CO₂ and water applications. This material is fully additive treated, which provides high metal adhesion and excellent anti-wear properties for internal valve parts. Although DUALCO PREMIUM contains excellent antioxidants, DO NOT use this material for oxygen service.

Features: DUALCO PREMIUM is made from 100% synthetic materials. It is fully additive-treated to provide high metal adhesion and excellent corrosion resistance. This material is water insoluble and washout resistant. Also inhibited to resist H₂S and CO₂ and suitable for use in all hydrocarbon services.

Packaging: Industry standard stick and bulk packaging. See Ordering Information.

CORROSIVE SERVICE (CS)

Corrosive Service is a superior combination lubricant / sealant suitable for plug, ball and gate valves and has a temperature range of - 70° F to + 600° F. It is a black colored material which has been specially formulated for use in valves carrying LNG, H₂S, CO₂, methanol, strong acids, crude oil, natural gas, gasoline, jet fuel, lubricating oils or mixtures of these products. DUALCO CORROSIVE SERVICE has a proprietary premium additive package that provides anti-rust, anti-wear, and corrosion inhibitors. This material bonds to metal surfaces, minimizing wear and providing excellent corrosion protection. It has excellent resistance to oxidation; but DO NOT use this material for oxygen service.

Features: DUALCO CORROSIVE SERVICE is made from 100% synthetic materials. Fully additive-treated and fully inhibited for H₂S and CO₂ service. Water resistant, fortified with anti-rust and anti-wear additives, while bonding to metal surfaces, reducing damage from corrosion.



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Packaging: Industry standard stick and bulk packaging. See Ordering Information.

EXTREME COLD (EXC)

Extreme Cold utilizes specialized materials and is required in true arctic conditions. DUALCO EXC low temperature synthetic lubricant / sealant is gray to brown in color and has a temperature range of - 70° F to + 620° F. EXC is suitable for use in gate, ball, and plug valves carrying aliphatic hydrocarbon liquids and gases, such as fuel oils, natural gas, LPG, sweet or sour crude distillates, kerosene, water, and condensate. Even though there is excellent resistance to oxidation, DO NOT use this material for oxygen service.

Features: DUALCO EXTREME COLD is made from synthetic oil with the addition of extensive corrosion inhibitors. High metal adhesion, water insoluble, washout resistant, and fully additive-treated, including inhibitors for H₂S.

Packaging: Industry standard stick and bulk packaging. See Ordering Information.

HIGH-TEMPERATURE (HT)

High-Temperature is designed for a temperature range of - 20° F to + 1000° F. Hi-Temp is made from premium synthetic oils and inorganic thickeners. This non-melting lubricant / sealant provides lubricity for valves in geothermal, petroleum refineries and natural gas plants. HT is formulated for resistance to aliphatic hydrocarbons, including gasoline, kerosene, propane, butane, natural gas, steam, hot oil, dilute acids and caustic solutions. At elevated temperatures Hi-Temp converts to a dry film lubricant providing an excellent molydisulfide and graphite combination anti-seize compound.

Features: DUALCO HIGH TEMPERATURE is made from 100% premium synthetic oils and inorganic thickeners. The temperature range is - 20° F to + 1000° F and is non-melting. At high temperature, HI-TEMP converts to a solid film lubricant. Suitable for use in all hydrocarbon services.

Packaging: Industry standard stick and bulk packaging. See Ordering Information.

EMERGENCY SEAL (ES)

Emergency Seal is designed for plug, ball or gate valves. Formulated to seal without the introduction of large quantities of unnecessary solids into your valve; material gets thicker as pressure is applied. It blocks and closes most severe cuts, allowing the valve to seal. ES has a temperature range of 0° F to + 400° F. This synthetic sealant is designed for use in natural gas, sweet or sour crude oil, and water services. Its high metal adhesion and capability of repeated usage in the affected valve, makes for the ideal emergency material. DO NOT use this material for oxygen services.

Features: DUALCO EMERGENCY SEAL is fully treated with additives to provide high metal adhesion (plating out) and excellent corrosion resistance. Made from 100% synthetic materials, is water insoluble, washout resistant and inhibited to resist H₂S and CO₂. Suitable for use in all hydrocarbon services.

Packaging: Available in cartridge and other bulk packaging. See Ordering Information.

EXTREME EMERGENCY SEAL (EES)

Extreme Emergency Seal is designed for plug, ball, or gate valves. Formulated to seal without the introduction of large quantities of unnecessary solids into your valve; material gets thicker as pressure is applied. It blocks and closes the more severe cuts, allowing the valve to seal in temperature extreme environments. EES has a temperature range of -55° F to +450° F and is suitable for use in natural gas, sweet or sour crude oil and water services. Its high metal adhesion and capability of repeated usage in the affected valve, makes the ideal emergency material when encountering severe or extreme services. DO NOT use this material for oxygen service.

Features: DUALCO EXTREME EMERGENCY SEAL is fully treated with additives to provide high metal adhesion (plating out) and excellent corrosion resistance. Made from 100% synthetic materials, is water insoluble, washout resistant and inhibited to resist H₂S and CO₂. Suitable for use in all hydrocarbon services.

Packaging: Available in cartridges and other bulk packaging. See Ordering Information.



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GENERAL PURPOSE BLACK WITH PTFE (GPB-TFE)

General Purpose Black with PTFE is a combination lubricant / sealant and **Emergency Leak Stop**. As a synthetic material containing ultra-fine particles of graphite and PTFE, it is suitable for emergency use in leaking plug, ball, and gate valves. DUALCO GPB-TFE is black in color with a temperature range of -29° F to +400° F. Most technical standards of SAE.AMS-G-6032, NATO Code #G-6032, "Grease, Plug Valve, Gasoline & Oil Resistant" are met. Along with excellent "plating out" characteristics, this material is made of stable, non-reactive materials and is designed for use in valves controlling the flow of natural gas, crude oil, gasoline, jet fuel, lubricating oils or mixtures of these products. Although it contains an excellent antioxidant, DO NOT use this material for oxygen service.

Features: DUALCO GPB-TFE is 100% synthetic. It builds up at the leak point and is designed to stop the flow of leaking material, while providing extra lubricity as it seals. GPB-TFE is also inhibited for H₂S (<1000 ppm) and CO₂ (< 40%). High metal adhesion and excellent corrosion resistance is provided. This material is water insoluble, washout resistant and suitable for use in all hydrocarbon services.

Packaging: Currently available in stick size. Contact DUALCO for other packaging options.

PREMIUM BODY FILL LUBRICANT (PBF)

Premium Body Fill Lubricant is a multi-purpose material designed for use as a low temperature gate valve body fill and a low temperature ball valve lubricant. This material is an excellent choice where water resistance and a light valve lubricant is needed. The temperature range is -75° F to +350° F. DUALCO PREMIUM BODY FILL LUBRICANT is suitable for use with hydrocarbon gases. PBF provides low torque operation even in low temperature applications. Not to be used as sealant and NOT for oxygen service.

Features: DUALCO PREMIUM BODY FILL LUBRICANT is blended with a corrosion inhibitor and an anti-galling additive. It protects seat rings and sealing services from the corrosive effects of oil and gas production and processing. Water soluble and washout resistant, this is a premium quality lithium 12-hydroxy stearate grease.

Packaging: Available in cartridges and Industry standard packaging in all bulk containers. See Ordering Information.

"PEANUT BUTTER" (PB)

Peanut Butter is a brown colored, bulk viscosity material used to body fill and seal WKM type gate valves. This material has a temperature range of - 30° F to + 250° F. PB is extremely resistant to washout by water, gas, condensate, butane, hydrocarbon vapors, petroleum products such as gasoline, solvents, glycerin and sour gas.

Features: DUALCO PEANUT BUTTER is a basic, inexpensive, **Non-Abrasive** material. Suitable for use with most hydrocarbon pipeline transmitted materials.

Packaging: Industry standard packaging in all bulk containers. See Ordering Information

CLEANERS The importance of using DUALCO VALVE CLEANERS

When valves are not working properly, a primary solution is to clean the valve internally so new Valve Lube Sealant can be injected into the valve.

Improperly working valves can be defined as those that are hard to turn, have valve seats that are leaking; or have valve fittings which have become inoperable.

All DUALCO VALVE CLEANERS are easily pumped with DUALCO equipment.

DUALCO cleaners are compatible with all Lubricants, Sealants, and Packing.

DUALCO cleaners can be used in most hydrocarbon applications, with the exception of oxygen service.

DUALCO VALVE CLEANERS can be used in Lubricated Plug, Gate, Ball valves, and other equipment located in:



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VALVE LUBRICANTS, SEALANTS, CLEANERS AND PACKING

1. All hydrocarbon pipeline service systems.

- a. Gathering
- b. Midstream
- c. Transmission
- d. Distribution
- e. Mills, Plants and Refineries

2. Pipeline Pump Stations

3. Pipeline Compressor Stations

4. Oil and Gas Wellheads

- Because DUALCO VALVE CLEANERS are 100% synthetic, they are much less subject to thickening or freezing when used in low temperature environments.
- NON-HAZARDOUS, NON-TOXIC, constant viscosity materials are used in the manufacture of all DUALCO VALVE CLEANERS.
- There are no harmful corrosive or acidic solutions found within DUALCO VALVE CLEANERS.

For more information, refer to DUALCO's Valve Maintenance Training guidelines.

VALVE CLEANER (VC)

Valve Cleaner is a gold colored, basic hydrating and softening material made from non-petroleum oils. It has a temperature range of - 20° F to + 350° F. This semi-liquid is used to penetrate, lift, and clean out materials such as old, hardened lubricants, sealants, dust, rust and other trash that has built up in the lubricant grooves and ports in all types of lubricated valves.

Features: DUALCO VALVE CLEANER is water insoluble. Necessary for complete and rapid removal of built-up materials that interfere with valve operation. Standard trash removable from valve operation is facilitated when using VC.

Packaging: Industry standard packaging in quart bottles and most sizes of bulk containers. See Ordering Information.

HEAVY DUTY VALVE CLEANER (HDVC)

Heavy Duty Valve Cleaner is black in color and has a temperature range of -40° F to + 400° F. In older pipelines and valves, there is often residual gum, lacquer, rust and corrosion deposits, as well as hardened sealants that are very resistant to standard valve cleaners. DUALCO HEAVY DUTY VALVE CLEANER is carefully engineered to clean out and free-up lubricated valves that are frozen or extremely difficult to operate because of excessive build-up of trash or hardened lube sealants.

Features: DUALCO HEAVY DUTY VALVE CLEANER is water insoluble. It has extra strong cleaning agents and a combination of valve cleaner and penetrating lubricants. HDVC cuts, lifts and dissolves corrosion build-up and facilitates heavy trash removal from the valve.

Packaging: Industry standard packaging in cartridges and all sizes of bulk containers. See Ordering Information.

DISPERSING VALVE CLEANER (DVC)

Dispersing Valve Cleaner works well in all valves. It removes deposits in valves that are very resistant to standard and even heavy duty valve cleaners. DUALCO DVC absorbs freed trash and water, then breaks down and disperses in the product stream. The material is a semi-liquid, green in color, and has a temperature range of -20 ° F to +400° F.

Features: DUALCO DISPERSING VALVE CLEANER is very unique; it will not foul instrumentation or down-stream equipment. This radically new material "drys" the inside of the valve, once the freed material is removed from the valve.

Packaging: Industry standard packaging in quart bottles and most sizes of bulk containers. See Ordering Information.



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ARCTIC VALVE CLEANER / LUBRICANT (AVC)

Arctic Valve Cleaner / Lubricant is off-white in color and made from a unique blend of synthetic oils. With a temperature range of -65° F to +250° F, this material is very effective and pumps easily in extremely low temperature environments. AVC will penetrate, lift and clean out materials such as old, hardened lubricants, sealants, dust, rust and other trash that has built up in the lubricant grooves and parts in all types of lubricated valves. DUALCO ARCTIC VALVE CLEANER / LUBRICANT is inhibited for H₂S, and acts as a lubricant and moisture displacer. AVC is not recommended for long term service of CO₂. DO NOT use this material for oxygen service.

Features: DUALCO ARCTIC VALVE CLEANER / LUBRICANT is water insoluble. This unique material contains no harmful solvents and valve elastomers are not harmed. AVC has proprietary additives, such as a dispersant, emulsifier, surfactant, corrosion inhibitor and extreme pressure lubricant.

Packaging: Industry standard packaging in cartridges and all sizes of bulk containers. See Ordering Information.

STEM PACKING (SP)

Stem Packing is a pumpable packing made from synthetic oils and propriety non-reactive fillers. SP is to be used in valves with packing injection fittings. The temperature range is 0° F to +240° F. SP contains necessary fine to medium size TFE fillers. DUALCO STEM PACKING has high chemical and mechanical stability and good lubricity.

Features: DUALCO STEM PACKING is water insoluble. Extreme Pressure (EP) additives, oxidation, and corrosion inhibitors are included. With a broad range of additives, it performs well in most Valve Stem Packing applications.

Packaging: Industry standard packaging in all stick sizes. Bulk packaging is also available. See Ordering Information.

ARCTIC STEM PACKING (ASP)

Arctic Stem Packing is a pumpable packing made from synthetic oils and extra fine proprietary, non-reactive synthetic fillers. Available in small stick sizes, it is used in valves with packing injection fittings. When larger stick sizes are needed, DUALCO Hydraulic or Screw Prime Guns will be used. The temperatures range is -65° F to +350° F and is required in true arctic conditions.

Features: DUALCO ARCTIC STEM PACKING is water insoluble. Extreme Pressure (EP) additives, oxidation, and corrosion inhibitors are included. This material is highly classified, and excellent for extreme cold weather applications.

Packaging: Industry standard packaging in all stick sizes. Bulk packaging is also available. See Ordering Information.

GATE VALVE STEM LUBRICANT (GVSL)

Gate Valve Stem Lubricant is a blue colored plastic, bulk viscosity material required for Gate Valve Stems under severe operating conditions. DUALCO GVSL is a lithium complex, Extreme Pressure (EP) lubricant with excellent high and low temperature properties. Providing superior stem and bearing protection, this material maintains exceptional performance characteristics at lower temperatures. Excellent resistance to oxidation at elevated temperatures, is provided.

Features: DUALCO GVSL is made from synthetic materials, and is "O" Ring Seal compatible. Extreme Pressure (EP) additives, oxidation, corrosion inhibitors and anti-wear additives are included. Unique blend of petroleum base and synthetic oils.

Packaging: Industry standard packaging in all bulk containers.

SPECIAL FORMULATIONS

DUALCO will custom blend special formulations that are not shown. Products can be manufactured to suit specific customer requirements.

WARNING

Please observe these safety precautions when using DUALCO products.



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VALVE LUBRICANTS, SEALANTS, CLEANERS AND PACKING

Read Material Safety Data Sheet (MSDS) before use and follow all safety specifications and precautions. DUALCO Valve Lubricants, Sealants, Cleaners and Packing are for industrial use only and are not for home use.

Do not use Valve Cleaners as a Lubricant, Sealant or Packing.

Keep out of reach of children.

We do not consider these products, in the form they are sold, to constitute a physical or health hazard.

Avoid contact with eyes, skin, and clothing.

Wash hands thoroughly after handling. Not for internal human consumption.

Follow standard Operating Procedures.

Safety glasses should be worn and safety precautions should be observed.

These products ARE NOT to be used for Oxygen service.

ORDERING INFORMATION

Valve lubricants, sealants, cleaners and packing are available in appropriate industry standard stick, bulk and cartridge packaging. Inquire regarding 55 gallon drum sizes.

PRODUCT SELECTION Order by product name and packaging by selecting from the options listed below:

General Purpose GP-A, GP-B, GP-C, GP-D, GP-E, GP-G, GP-J, GP-K, GP-S5, GP-CTG, GP-10, GP-20, GP-40, GP-120

General Purpose Black GPB-A, GPB-B, GPB-C, GPB-D, GPB-E, GPB-G, GPB-J, GPG-K, GPB-S5, GPB-CTG, GPB-10, PG-20, GPB-40, GPB-120

Premium P-A, P-B, P-C, P-D, P-E, P-G, P-J, P-K, P-CTG, P-10, P-20, P-40, P-120

Corrosive Service CS-A, CS-B, CS-C, CS-D, CS-E, CS-G, CS-J, CS-K, CS-S5, CS-CTG, CS-10, CS-20, CS-40, CS-120

Extreme Cold EXC-A, EXC-B, EXC-C, EXC-D, EXC-E, EXC-G, EXC-J, EXC-K, EXC-CTG, EXC-10, EXC-20, EXC-40, EXC-120

High Temperature HT-A, HT-B, HT-C, HT-D, HT-E, HT-G, HT-J, HT-K, HT-S5, HT-CTG, HT-10, HT-20, HT-40, HT-120

Emergency Seal ES-A, ES-B, ES-C, ES-D, ES-E, ES-G, ES-J, ES-K, ES-S5, ES-CTG, ES-10, ES-20, ES-40, ES-120

Premium Body Fill Lubricant PBF-CTG, PBF-10, PBF-20, PBF-40, PBF-120

Extreme Emergency Seal EES-CTG, EES-10, EES-20, EES-40, EES-120

General Purpose Black with PTFE GPB-TFE-A, GPB-TFE -B, GPB-TFE-C, GPB-TFE-D, GPB-TFE-E, GPB-TFE-G, GPB-TFE-J, GPB-TFE-K, GPB-TFE-S5

"Peanut Butter" PB-10, PB-20, PB-50, PB-150

Valve Cleaner VC-Qt, VC-10, VC-20, VC-40, VC-120

Heavy Duty Valve Cleaner HDVC-CTG, HDVC-10, HDVC-20, HDVC-40, HDVC-120

Dispersing Valve Cleaner DVC-Qt, DVC-10, DVC-20, DVC-40, DVC-120

Arctic Valve Cleaner / Lubricant AVC-CTG, AVC-10, AVC-20, AVC-40, AVC-120

Stem Packing SP-A, SP-B, SP-C, SP-D, SP-E, SP-G, SP-J, SP-K

Arctic Stem Packing ASP-A, ASP-B, ASP-C, ASP-D, ASP-E, ASP-G, ASP-J, ASP-K

Gate Valve Stem Lubricant GVSL-CTG, GVSL-10, GVSL-20, GVSL-40, GVSL-120



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Stick Lubricant / Sealant Packaging Options

Package Type	Stick Size Diameter		Stick Size Length		Sticks Per Container	Net Weight	
	Inches	mm	Inches	mm		Lbs.	Kilos
	A	1/4	6.35	1-1/2		38.1	48
B	3/8	9.53	1-1/2	38.1	24	--	--
C	7/16	11.11	2-1/8	53.98	24	--	--
D	1/2	12.7	2-5/8	66.68	24	--	--
E	3/4	19	3-3/8	85	24	--	--
G	5/8	15.88	3-1/2	88.9	24	--	--
J	1-3/8	34.93	8-1/2	215.9	16	8	3.63
K	1-1/2	38.1	10-1/2	266.7	12	8	3.63
S5	4	101.6	10	25.4	4	20	9.08

Other sizes available upon request

Bulk Lubricant / Sealant Packaging Options

Package Type	Container Size
CTG	10 ea. 14 oz. Cartridges, 8.75 lb. Box
10	5 Quart, 10 lb. Can
20	3-1/2 Gallon, 20 lb. Pail
40	5 Gallon, 40 lb. Pail
120-150	16 Gallon, 120 lb. – 150 lb. Drum
400-500	55 Gallon, 400-500 lb. Drum

Other sizes available upon request



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DUALCO LUBRICANT / SEALANT APPLICATION CHART

Acetylene Gas GP, GPB, P, CS, GPB-TFE, EES, GVSL

Acids

Dilute GP, GPB, P, CS, GPB-TFE, EES, GVSL
Concentrated CS

Air GP, GPB, P, GPB-TFE, EES, GVSL

Alcohols GP, GPB, P, GPB-TFE, EES, GVSL

Ammonia GP, GPB, P, GPB-TFE, EES, GVSL

Asphalt GP, GPB, P, GPB-TFE, EES, GVSL

Black Liquor (Paper) GP, GPB, P, CS, GPB-TFE, EES, GVSL

Boiler Water GP, GPB, P, CS, GPB-TFE, EES, GVSL

Bunker Oils (Fuel Oils) GP, GPB, P, CS, GPB-TFE, EES, GVSL

Butane GP, GPB, P, CS, GPB-TFE, EES, GVSL

Carbon Dioxide (CO₂)

Dilute <40% GP, GPB, P, CS, GPB-TFE, EES, GVSL
Concentrated >40% CS

Carbon Monoxide (CO) GP, P, CS, GPB-TFE, EES, GVSL

Castor Oil On Request

Coal Gas GP, GPB, P, CS, GPB-TFE, EES, GVSL

Coal Tar GP, GPB, P, CS, GPB-TFE, EES, GVSL

Crude Oil Tar GP, GPB, P, CS, GPB-TFE, EES, GVSL

Crude Oil GP, GPB, P, CS, GPB-TFE, EES, GVSL

Diesel Fuel GP, P, CS, GPB-TFE, EES, GVSL

Distillate Fuel GP, P, CS, GPB-TFE, EES, GVSL

Ethane GP, P, CS, GPB-TFE, EES, GVSL

Ethylene GP, P, CS, GPB-TFE, EES, GVSL

Fuel Oil GP, P, CS, GPB-TFE, EES, GVSL

Gas Dryers GP, P, CS, GPB-TFE, EES, GVSL

Gas, Natural GP, P, CS, GPB-TFE, EES, GVSL

Gasoline GP, P, CS, GPB-TFE, EES, GVSL

Gate Valve Body Fill PB, PBF

Glycols GP, P, CS, GPB-TFE, EES, GVSL

Helium GP, P, CS, GPB-TFE, EES, GVSL

Hot Oil GP, P, CS, GPB-TFE, EES, GVSL

Hot Water GP, P, CS, GPB-TFE, EES, GVSL

Hydrogen GP, P, CS, GPB-TFE, EES, GVSL

Hydrogen Sulfide (H₂S)

Dilute <500 ppm GP, GPB, P, CS, GPB-TFE, EES, GVSL
Concentrated >500 ppm CS

Isobutane GP, GPB, P, CS, GPB-TFE, EES, GVSL

Jet Fuel GP, GPB, P, CS, GPB-TFE, EES, GVSL

Kerosene GP, GPB, P, CS, GPB-TFE, EES, GVSL

Ketones GP, GPB, P, CS, GPB-TFE, EES, GVSL

Light Oil, Coal Tar GP, GPB, P, CS, GPB-TFE, EES, GVSL

Liquefied Petroleum Gas

(LPG) GP, GPB, P, CS, BB-TFE, EES, GVSL

Lubricating Oils GP, GPB, P, CS, GPB-TFE, EES, GVSL

Methane GP, GPB, P, CS, GPB-TFE, EES, GVSL

Mineral Oil GP, GPB, P, CS, GPB-TFE, EES, GVSL

Mud Lines GP, GPB, P, CS, GPB-TFE, EES, GVSL

Natural Gas

(Dry or Wet) GP, GPB, P, CS, GPB-TFE, EES, GVSL

Nitrogen GP, GPB, P, CS, GPB-TFE, EES, GVSL

Oil, Petroleum GP, GPB, P, CS

Oil, Tar GP, GPB, P, CS, GPB-TFE, EES, GVSL

Paint Thinner GP, GPB, P, CS, GPB-TFE, EES, GVSL

Paraffin GP, GPB, P, CS, GPB-TFE, EES, GVSL

Petroleum Oil GP, GPB, P, CS, GPB-TFE, EES, GVSL

Propane GP, GPB, P, CS, GPB-TFE, EES, GVSL

Road Tar GP, GPB, P, CS, GPB-TFE, EES, GVSL

Roofing Pitch GP, GPB, P, CS, GPB-TFE, EES, GVSL

Salt Solution GP, GPB, P, CS, GPB-TFE, EES, GVSL

Sea Water GP, GPB, P, CS, GPB-TFE, EES, GVSL

Sewage GP, GPB, P, CS, GPB-TFE, EES, GVSL

Soluble Oils GP, GPB, P, CS, GPB-TFE, EES, GVSL

Steam GP, GPB, P, CS, GPB-TFE, EES, GVSL

Tar GP, GPB, P, CS, GPB-TFE, EES, GVSL

Turpentine GP, GPB, P, CS, GPB-TFE, EES, GVSL

Vacuum Lines GP, GPB, P, CS, GPB-TFE, EES, GVSL

Vegetable Oils GP, GPB, P, GPB-TFE, EES, GVSL

White Liquor (paper) GP, GPB, P, CS, GPB-TFE, EES, GVSL

Water GP, GPB, P, CS, GPB-TFE, EES, GVSL

Xylene GP, GPB, P, CS, GPB-TFE, EES, GVSL

Zinc Salts GP, GPB, P, CS, GPB-TFE, EES, GVSL

These applications are only recommendations for common materials. Contact DUALCO for additional applications.



VALVE LUBRICANTS, SEALANTS, CLEANERS AND PACKING

The recommendations on this chart are presented as a guide only. Applications can change due to valve conditions, temperature variations, pipeline pressures and other variables.

There are numerous applications for materials and conditions that are not listed. Contact DUALCO at 713-644-1164 for recommendations on these applications.

All lubricants, sealants and cleaners are manufactured to DUALCO's exacting QA/QC standards and pass a continuing QA/QC assurance program.

- Many meet and exceed MIL-G-6032D "Grease, Plug Valve, Gasoline and Oil Resistant, NATO Code Number G-363, Metric."
- Current Specification: SAE-AMS-G-6032 "Grease, Plug Valve, Gasoline and Oil Resistant, NATO Code Number G-363, Metric."
- Products are environmentally friendly, biodegradable, and will not harm the environment.
- ALL PRODUCTS ARE MADE IN U.S.A., and are manufactured utilizing the most premium materials and up-to-date methods available.
- Specification Sheets are available upon request.

(AMS = Aerospace Material Standards)

SPECIFICATIONS ARE SUBJECT TO CHANGE



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