

# SYNTH VALVE GREASE - C & G (Gate & Plug Valve Sealant Cleaner)

## *(Synthetic Grease for Gate & Plug Valve Sealant Cleaner)*

### **DESCRIPTION OF SYNTH VALVE GREASE-C:**

**SYNTH VALVE GREASE-C** is fully synthetic base cleaner valve grease designed for application in valves, where crude oil, petroleum liquids are used in ball, gate and plug valves to be injected directly into the internal seat sealant system to clean important seal faces and sealant passages. Use whenever the valve is hard to turn or won't seal properly. Softens old sealants that have been affected by dry natural, removes residual build up from seal points.

**SYNTH VALVE GREASE-C** can be used to clean and free-up seized valves or hard valves. Oxygenated solvents help in cleaning of old sealants and stop the valves from leaking.

**SYNTH VALVE GREASE-C** is effectively resist the solvents and prevents leakages as valve sealant and for "O" ring etc in Crude oil lines. **SYNTH VALVE GREASE-C** is used for cleaning and lubrication of valves used in pipelines of crude oils and petroleum liquids.

### **DESCRIPTION OF SYNTH VALVE GREASE-G:**

**SYNTH VALVE GREASE-G** is a fully synthetic base cleaner valve grease product specifically designed to clean important seal faces, sealant passages clean and maintain valves.

The purpose of a **SYNTH VALVE GREASE-G** is to remove accumulated deposits, scale, rust, and other contaminants that can hinder the proper functioning of valves over time. These deposits may lead to reduced efficiency, increased friction, and potential valve malfunctions.

**SYNTH VALVE GREASE-G** formulation is developed to dissolve or dislodge such deposits, restoring optimal performance.

**SYNTH VALVE GREASE-G** is effectively resist the gases and solvents, to prevents leakages as valve sealant and for "O" ring etc in Solvent & Gas lines. **SYNTH VALVE GREASE-G** is used for cleaning and lubrication of valves used in pipelines of petroleum gases & solvents.

### **CHEMISTRY**

**SYNTH VALVE GREASE-C & G** is fully synthetic grease specifically formulated for gate and plug valve sealant is specifically designed to ensure that have maximum resistance to light hydrocarbon liquids, chemicals encountered in the exploration and production of crude oil and gas in petrochemical industries are present, making it the sealant of choice for pipeline and compressor station usage. The combination of fully synthetic base fluid, a modified inorganic thickener, special synthetic ester, very high content molybdenum disulphide (solid lubricants), incorporating an advanced corrosion inhibition system and stabilizer. The MoS<sub>2</sub> enhances sealing and lubrication by burnishing into scratches effectively renewing surfaces.

**SYNTH VALVE GREASE-C & G** is pumpable to temperatures as low as -40°F (-40°C) when used with a high-pressure lubricator, it retains its consistency at 450°F (232°C) within a valve where oxygen contact is avoided. They act as a lubricant to the valve components and will assist in maintaining or regaining sealing performance to minimize leakage. It provides complete protection during the critical start up and running in periods. Ideal for assembling plain bearings, pins, slides and gears etc. It is also suitable for the lubrication of valves and other slow moving parts under high loads.

## APPLICATIONS

- **Recommended Applications:** Gate and plug valves used in crude oil, natural gas production and pipeline equipment. Particularly suitable for use where light hydrocarbon liquids, chemicals, crude, gas, acids and sand slurries in difficult condensates are encountered. Lubricant for pressure lubricated plug valves, flow meter bearings, ceramic plug cocks, pneumatic control valves, fire extinguishers and water softener valves. Sealant and lubricant for glass joints and stopcocks in normal as well as high vacuum and pressure systems.
- **Note:** **SYNTH VALVE GREASE-C & G** are not recommended for use on floating seat ball valves.
- **Recommended Clean-Up:** Although conventional solvents like methanol, ethanol, IPA, chlorinated solvent, aromatic solvents, acetone and other ketones can be utilized. It is a nontoxic, non-flammable, biodegradable lubricant and cleanser specifically designed for valve cleaning applications. It contains no components listed as federal hazardous wastes.

## FEATURES /BENEFITS

- Wide operational temperature ranges from -40°F to 450°F (-40°C to 232°C).
- Outstanding resistance to exploration & production chemicals (Crude oil, hydrocarbons, natural gas condensate, H<sub>2</sub>S, CO<sub>2</sub>, salt water/brines, steam, 20% frac acid (HCl), diesel, fuel, produced & drilling mud).
- Remove accumulated deposits, scale, rust, and other contaminants that can hinder the proper functioning of valves over time. Clean important seal faces, sealant passages clean and maintain valves.
- Highly film ensures to protect valve components ensuring smooth, reliable operation and resistance to water wash-out minimizing cavity contamination under high pressure conditions for all metal surfaces.
- Reduces Torque, Stops Leaks, No-hazardous and highly resistant to oxidation and will not harden in use.
- Excellent lubrications in sealant plugs valves even at 10,000 psi and sealing properties.

## PROPERTIES

GRADES	SYNTH VALVE GREASE-C	SYNTH VALVE GREASE- G
NLGI Grade	2 & 1.5	1
Unworked Penetration @ 25°C,	265 - 305	310-340
Base Oil Type	Synthetic Oil	
Color & Appearance	Black greyish (Smooth & Tacky) & thin paste	
Solid Lubricants %	50% molybdenum disulphide	
Drop Point °C	Non-Melting <320 to -40°F (-40°C)	
Low Temperature Performance	Manually Pumpable at - 13°C	
Operating Temperature Performance	-40°F to 450°F (-40°C to 232°C)	
4 Ball Weld Load in Kgs	<620 to 800	
Pressure	upto 10000 psi	

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