

# MAGNASEAL PLUS

**BOP / Frac Valve Grade**

Frac Valve Lubricant / Sealant · Distributed by Project Sales Corp

Net Wt. 40 lbs pail

Rev. Date: 8/12/2022

## MAGNASEAL PLUS

LUBRICANT / SEALANT

**FRAC VALVE · BOP GRADE**

### PHYSICAL PROPERTIES

Color	<b>Dark Gray to Black</b>
Temperature Range	<b>-20°F to 400°F</b>
Consistency (D-217)	<b>290-330</b>
Drop Point	<b>None</b>
Thickener Type	<b>Inorganic</b>
Flash Point	<b>375°F / 190°C</b>
Oil Separation (D1742)	<b>5% Max</b>
Rust Prevention (D1743)	<b>No. 2</b>
Corrosive Inhibitor	<b>Proprietary</b>
EP Additive	<b>Proprietary</b>
Odour	<b>None</b>
Solubility in Water	<b>Insoluble</b>
Base Oil Type	<b>100% Synthetic</b>
Packaging	<b>40 lbs Pail</b>

### PRODUCT OVERVIEW

**Magnaseal Plus** is a high-tack, pumpable lubricant and sealant designed for gate valves and plug valves in frac applications. It is a unique combination of **synthetic and natural oils, CS-41, and proprietary thickeners**, providing better lubricating and sealing properties than conventional alternatives. Resistant to shear and washout from turbulence, flow improvers, breaker fluids, co-solvents, dilute acids, caustics, and hydrocarbons. Compounded with performance additives for superior anti-wear, antioxidation, and extreme pressure properties. Distributed in India by **Project Sales Corp (PSC)**.

### KEY FEATURES & BENEFITS

#### H<sub>2</sub>S & CO<sub>2</sub> Inhibited

Specially formulated to resist corrosion and degradation from hydrogen sulphide and carbon dioxide environments.

#### 100% Synthetic Base

Fully synthetic formulation with CS-41 and proprietary thickeners for superior performance over petroleum-based alternatives.

#### High Pressure Washout Resistance

Resists high-pressure washout over a wide temperature range – maintains body and consistency in frequently-operated valves.

#### High Metal Adhesion

Excellent adhesion to metal surfaces seals severely worn valves against galling and corrosion for years of trouble-free service.

#### Extreme Pressure & Anti-Wear

Provides extremely low coefficient of friction without relying on PTFE or other fillers. Does not thin down at elevated temperatures or after injection.

#### Biodegradable & Acid Resistant

Inhibited for acid services. Biodegradable and insoluble in water – environmentally responsible for demanding field conditions.

### APPLICATIONS

- Gate valves and plug valves in frac and pressure control applications
- BOP (Blowout Preventer) valve lubrication and sealing
- Oilfield, pipeline, refining, and petrochemical applications requiring low-torque valve operation
- Severely worn valves subject to galling and corrosion requiring re-sealing
- Services involving H<sub>2</sub>S, CO<sub>2</sub>, dilute acids, caustics, flow improvers, and breaker fluids

### HANDLING & SAFETY NOTE

No special protective equipment required under normal use. Flash point 375°F (190°C). Keep away from ignition sources. Dispose per local environmental regulations. Refer to the Lubchem Safety Data Sheet (SDS) for full handling, storage, and disposal guidance – available from Project Sales Corp upon request.

DISTRIBUTOR - INDIA


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# PROPERTIES & DISTRIBUTOR INFORMATION

## 1 COMPLETE PROPERTIES OF MAGNASEAL PLUS

PARAMETER	TEST METHOD	TYPICAL VALUE
Color	–	Dark Gray to Black
Temperature Range	–	-20°F to 500°F (-29°C to 260°C)
Consistency, Cone Penetration	ASTM D-217	290-330
Drop Point	ASTM D566	None
Oil Separation, % wt loss	ASTM D1742	5% Maximum
Rust Preventive Test	ASTM D1743	No. 2
Flash Point	–	375°F / 190°C
Thickener Type	–	Inorganic
Base Oil	–	100% Synthetic + Natural Oils (CS-41)
Corrosive Inhibitor	–	Proprietary
EP Additive	–	Proprietary
H <sub>2</sub> S / CO <sub>2</sub> Inhibited	–	Yes
Acid Service Inhibited	–	Yes
Odour	–	None
Solubility in Water	–	Insoluble
Biodegradable	–	Yes
Protective Equipment Required	–	None (standard precautions)
Packaging	–	40 lbs (18 kg) Pail

## 2 PERFORMANCE FEATURES

- Anti-Wear:** Superior anti-wear additives protect valve seats and sealing surfaces under extreme operating pressures.
- Antioxidation:** Formulated to resist oxidative degradation, extending lubricant service life in high-temperature applications.
- Extreme Pressure (EP):** Proprietary EP additives allow the lubricant to perform under severe mechanical stress without PTFE or solid fillers.
- Shear Resistance:** Resistant to shear and washout from turbulence, flow improvers, breaker fluids, co-solvents, and hydrocarbons.
- Chemical Resistance:** Withstands dilute acids, caustics, and other aggressive frac fluid chemistries without breakdown.
- Consistency Retention:** Will not thin down at elevated temperatures or after injection – retains body to maintain valve seal integrity.
- Galling Prevention:** Seals severely worn valves against galling and corrosion, restoring functionality and extending service life.

## 3 HANDLING, STORAGE & SAFETY

- STORAGE:** Store in original container in a cool, dry, well-ventilated area away from heat and ignition sources. Keep containers tightly closed when not in use.
- HANDLING:** No special protective equipment required under normal intended use. Avoid prolonged skin contact. Wash hands thoroughly after handling.
- FIRE:** Flash point 375°F (190°C). Use dry chemical, CO<sub>2</sub>, foam, or water spray for extinguishing. Do not use water jet directly on product.
- DISPOSAL:** Dispose of contents and container in accordance with local, state, and federal regulations. Do not discharge to waterways.
- SDS:** Full Safety Data Sheet available from Lubchem Inc. or from Project Sales Corp upon request. Always consult SDS before first use.

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## 4 ABOUT PROJECT SALES CORP

**Project Sales Corp (PSC)** is India's largest specialty lubricants distributor, stocking products from TS Moly, Dow, Houghton Offshore, MacDermid, Bestolife, Lubriplate, Climax, Detco, Lubchem, Jetlube, Belray, Bostik, Cameron, Sweeney, and many other leading brands.

Our product range includes high performance greases, synthetic oils, chain oils, valve lubricants, thread dopes, anti-seize compounds, thread pastes, silicone oils, and other marine and offshore specialty lubricants. PSC serves the oil & gas, petrochemical, power generation, marine, and manufacturing industries across India.

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