

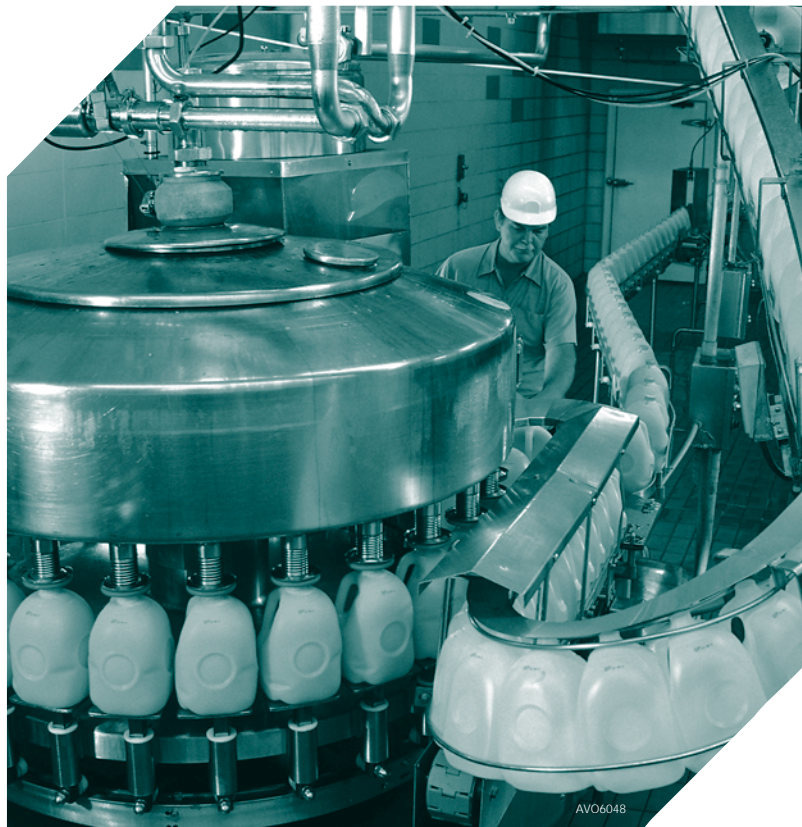


TM

MOLYKOTE®

FROM DOW CORNING

High Performance Industrial Lubricants for Food and Beverage Processing



AVO6048

A complete line of industrial lubricants and fluids.

One Trusted Source for All Your Lubricant Needs

For nearly 60 years, OEM designers, maintenance and materials engineers around the world have trusted the Molykote® brand for performance and expertise to solve or prevent virtually any plant lubrication problem. Molykote offers the most complete line of industrial lubricants and fluids available from any single supplier in the world.

Complete Line of Lubrication Products

With Molykote, you get the most complete line of lubrication products available, including mineral oils, synthetic fluids, greases, pastes, anti-friction coatings and dispersions. These products help keep hydraulic systems, air compressors, pumps, gearboxes, chain drives, refrigeration compressors and other plant mechanical systems operating at peak efficiency.

Molykote also offers a complete line of high-performance specialty lubricants that help reduce friction and wear, extend lubrication intervals and reduce maintenance and replacement costs in applications with performance requirements that cannot be met by conventional oils and greases. These products are formulated to withstand heavy loads; dirty, dusty or high moisture content environments; as well as a wide range of temperatures and speeds under extreme conditions.

Excellent Fit For Food and Beverage Processing

Our Molykote High-Performance Industrial Fluids are particularly suited for plant operations in the food and beverage industry. Many Molykote products conform to requirements under NSF regulations, H-1 or H-2 designations of the U.S. Department of Agriculture (USDA), and many are kosher approved and have Ag Canada approvals.

Resists emulsification

Traditional oils can retain dissolved water and emulsify with water, either of which can cause corrosion and lubrication-related breakdowns. But Molykote oils are molecularly engineered for maximum saturation, leaving no nucleation sites to bond with water. Combined with highly responsive additive technology (used at very low levels), Molykote oils inherently resist water throughout their life, making them a smart choice for lubrication in environments needing constant wash downs.

From freezer to oven

In addition, to meet the dramatic temperature variations from freezers to ovens, the product line includes H1 lubricants with operating temperature capabilities from -60°C to 150°C (-76°F to 302°F), and H2 lubricants with temperature capabilities from -60°C to 250°C (-76°F to 482°F). The product line also includes compounds, greases, pastes, anti-friction coatings and dispersions with temperature capabilities from -226°C to 1400°C (-375°F to 2550°F).

Molykote Industrial Lubricants

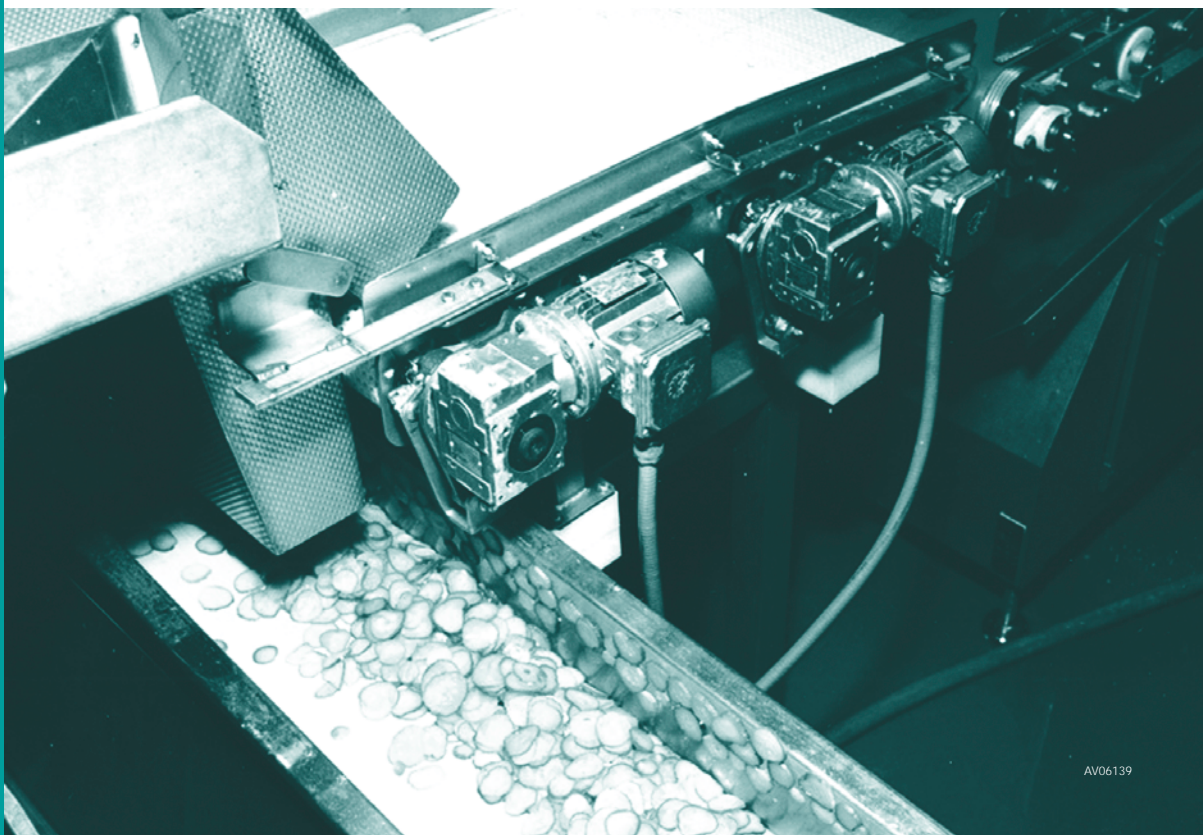
High Quality, Better Value

Molykote High Performance Industrial Lubricants provide superior performance for nearly every lubrication related requirement in your plant.

Molykote lubricants and fluids meet specifications over a wide temperature range due to the advanced technology of the base stocks. Oil drain intervals typically can be extended because these fluids survive high temperatures and continue to perform as originally specified, which reduces costs associated with oil consumption. In addition, contrary to conventional mineral oils, Molykote products do not contain many of the by-products that cause lubricant degradation. As a result, they help prevent buildup of “varnish” on internal parts, which helps extend equipment life and prevent costly cleaning of fouled components. All these factors add up to more continuous trouble-free operation and lower overall maintenance costs due to superior lubricant performance.

Molykote High Performance Industrial Lubricating Fluids

Molykote synthetic oils are made by combining molecular “building blocks” to meet targeted performance specifications and to minimize impurities. Synthetic oils are formulated with next generation performance-enhancing additives. Molykote mineral oils are produced in a patented hydrocracking process, which ensures that they are nearly free of contaminants. Synthetic blends are composed of synthetic and mineral oil base stocks.



Hydraulic Oils

Molykote hydraulic oils minimize formation of emulsions in contact with water due to the purity of the base fluid. They will generally perform successfully in hydraulic systems far longer than conventional hydraulic oils. Plants can gain significant savings from reduced oil consumption, reduced disposal cost, labor savings and fewer interruptions to production. These non-toxic oils are derived from hydrocracked or synthetic base stocks and can be used in systems designed for low pour point or high flash point mineral oils.

Compressor and Vacuum Pump Oils

Molykote compressor and pump fluids are formulated to meet or exceed the performance of most comparable OEM fill requirements. These compressor and vacuum pump oils are compatible with mineral oils and systems designed for mineral oil lubrication. The Molykote service packages offers oil analysis to ensure that the right food product is used for each application and that product life is maximized.

Gearbox and Chain Oils

Molykote gearbox and chain lubricants help prevent wear and process interruptions in power transmission systems and components. Compared to conventional oils, they also offer greater resistance to oxidation and stable performance at high temperatures and under high loads. Molykote gearbox oils maximize fill intervals and maintain viscosity characteristics at wide temperature ranges.

Multi-Purpose Oils

Molykote multi-purpose oils provide protection and lubrication for a wide range of moving components in industrial systems. Depending on the application, your Molykote representative can help select the right oil from a range of viscosities, additive packages and pour points.

Bearing greases

Molykote high performance greases can be used to lubricate bearings, gears, chains and sliding mechanisms in food and beverage processing application and are suitable for lubrication points with low-to-high loads, moderate-to-high temperatures, and moderate-to-high speed applications.

Molykote High Performance Industrial Lubricants

Benefits to Food & Beverage Processing Plants

- Reduce amount of lubricant suppliers
- Extend interval between lubricant change
- Reduce labor for scheduled and unscheduled maintenance
- Simplify record keeping for Hazard Analysis and Critical Control Point (HACCP)
- Extend lifetime of compressor systems
- Reduce the need for periodic costly internal cleaning of compressors
- Standardize plant use of food-grade fluids and lubricants

Other Molykote Lubricant Types

Types	Lubricating Technology
Greases	MO, PAO, Ester, PIB, Silicone, Fluorosilicones, PFPE
Compounds	Silicone
Pastes	Graphite, MOS ₂ , PTFE, Metallic Oxides
Dry-Film Lubricants	Graphite, MOS ₂ , PTFE, Silicone Wax
Dispersions	Dispersions, MO, PAO, Ester, PIB, PAG

Reference: DE: Diester
MO: Mineral Oil
MOS₂: Molybdenum Disulfide
PAO/MO: Polyalphaolefin/Mineral Oil
PAG: Polyalkylene Glycol Polyolester
PAO: Polyalphaolefins
PFPE: Perfluoropolyether
PIB: Polyisobutene
PTFE: Polytetrafluoroethylene

Molykote Industrial Lubricants

Category/Number		Properties									
	NSF/USDA Category Code	ISO VG	Viscosity, cSt		VI	Pour Point		Flash Point		Density 20°C, g/ml	Base Oil
			40°C	100°C		°F	°C	°F	°C		
Hydraulic Oils											
L-0532FG	H-1	32	31.2	5.3	103	0.0	-18	420	216	0.857	MO
L-0346FG	H-1	46	44.5	6.6	99	-6.0	-21	425	218	0.860	MO
L-0368FG	H-1	68	66.0	8.3	94	5.0	-15	460	238	0.867	MO
L-1346FG	H-1	46	43.1	7.1	110	-6.0	-21	430	221	0.854	PAO/MO
L-1368FG	H-1	68	61.1	9.3	139	-6.0	-21	520	271	0.841	PAO/MO
Chain Oils											
L-0460FG	H-1	68	66.0	8.3	100	10.0	-12	465	240	0.858	MO
L-1468FG	H-1	68	65.8	9.8	131	-65.0	-54	520	271	0.830	PAO
Air Compressor Oils											
L-1232FG	H-1	32	30.2	5.7	138	-76.0	-60	465	241	0.826	PAO
L-1246FG	H-1	46	47.0	7.9	138	-44.0	-42	475	246	0.829	PAO
Ammonia Compressor Oils											
L-0660PS	H-2	68	69.0	9.0	100	-38.0	-39	440	227	0.870	MO
Vacuum Pump Oils											
L-1668FG	H-1	68	63.1	9.0	113	0.0	-18	445	229	0.856	PAO/MO
Special Purpose Fluids											
L-1605FG	H-1	5	5.3	2.0	124	-76.0	-60	335	168	0.800	PAO
Gearbox Oils											
L-0115FG	H-1	150	150.4	15.4	100	-0.4	-18	500	260	0.860	MO/PB
L-0122FG	H-1	220	219.1	20.0	101	-6.0	-21	490	254	0.860	MO/PB
L-0146FG	H-1	460	441.1	33.1	107	0.0	-18	490	254	0.880	MO/PB
L-1115FG	H-1	150	134.7	17.4	122	-38.0	-39	435	224	0.850	PAO/MO
L-1122FG	H-1	220	197.8	24.0	142	-27.0	-33	440	227	0.850	PAO/MO
L-1146FG	H-1	460	380.2	39.2	147	-33.0	-36	545	285	0.852	PAO
Multi-purpose Oils											
L-0510FG	H-1	100	105.1	12.0	103	5.0	-15	495	257	0.866	MO
L-0532FG	H-1	32	31.2	5.3	103	0.0	-18	420	216	0.857	MO
Extreme Pressure Greases											
G-0050	H-1	70 cSt	70 cSt (104F)		0	4-Ball EP weld load, N		Drop Point °F °C		0.890	MO
G-0051	H-1	70 cSt	70 cSt (104F)		1	> 2,940		> 420 > 216		0.890	MO
G-0052	H-1	115 cSt	115 cSt (104F)		2	> 2,940		> 475 > 246		0.890	MO
G-4500	H-1	110 cSt	110 cSt (104F)		2	> 3,100		> 518 > 270		0.840	PAO
G-4501	H-1	110 cSt	110 cSt (104F)		1	> 3,100		> 475 > 246		0.830	PAO
HP 300	H-1	160 cSt	160 cSt (104F)		2	> 3,300		None		2.000	PFPE
Assembly Paste											
P1900	H-1	0.1	Coefficient of Friction* <small>*Erichsen Screw Test</small>		White Solids	4-Ball EP weld load, N		Temperature Range °F °C		1.110	MO
Other Spray Oils											
Food Grade Spray	This odorless, tasteless H1 mineral oil spray for food processing equipment is easy to use, offers good penetration, and corrosion protection										
Molykote 316 Silicone Release Spray	Useful in applications where a heat stable, H1 release agent is needed to minimize sticking, or provide lightweight lubrication										

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How To Contact Us

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Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted.

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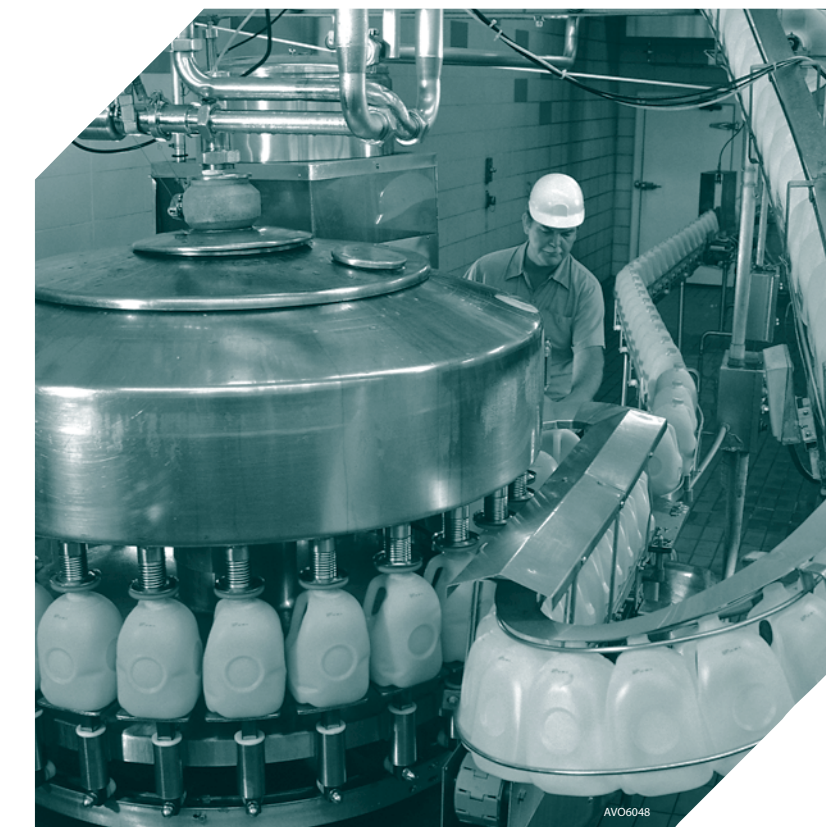
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