



MOLYKOTE® Specialty Lubricants for the food & beverage industry

Smart Lubrication™ solutions to ensure outstanding reliability & great uptime while meeting several industry standards

An excellent choice for lubricating food & beverage processing equipment

Food and beverage processing facilities face unique challenges, including the need for lubricants that fight corrosion, resist water washout and thrive under wide temperature ranges – all while also meeting stringent certification standards and regulations. Many MOLYKOTE® Lubricants conform to requirements under U.S. FDA 21 CFR 178.3570 and are NSF H1 or H2 certified or meet NSF/ANSI Standard 51 or NSF/ANSI CAN Standard 61; many also are Kosher, Pareve and Halal certified.

In this document, you will learn more about our solutions for the food and beverage industry, including greases, pastes, oils, compounds and dispersions for a variety of equipment and components. Pages 2 and 3 offer you a variety of MOLYKOTE® products to meet the demands of your mills, pumps, compressors, flanges, mixers, cooking kettles, conveyor systems, molds, ovens, packaging lines and electrical substations.

Your partner for your toughest lubrication challenges

For more than 75 years, MOLYKOTE® has been a trusted partner, helping engineers and manufacturers meet some of the world's toughest design and lubrication challenges in a wide variety of industries, including food and beverage processing.

MOLYKOTE®

MOLYKOTE® solutions for food & beverage processing facilities

1 Mill

- **Bearings^(A)**
- **Gears & gearbox^(C)**
- **Chains^(B)**
- **Seals & gaskets^(D)**
- **Threaded connections^(E)**
- **Blowers**
MOLYKOTE® L-1115 FM Synthetic Gear Oil
- **Blower bearings^(A)**
- **Compressor**
MOLYKOTE® L-1232FM Synthetic Compressor Oil or MOLYKOTE® L-1246FM Synthetic Compressor Oil
- **Compressor bearings^(A)**
- **Compressor seals^(D)**

2 Pump, compressor & flanges

- **Pump**
MOLYKOTE® L-1668FM Synthetic Blend Vacuum Pump Oil
- **Pump bearings^(A)**
- **Pump seals^(D)**
- **Compressor**
MOLYKOTE® L-1232FM Synthetic Compressor Oil or MOLYKOTE® L-1246FM Synthetic Compressor Oil
- **Compressor bearings^(A)**
- **Compressor seals^(D)**
- **Flange threaded connections^(E)**
- **Flange seals^(D)**

3 Mixer & cooking kettles

- **Bearings^(A)**
- **Seals^(D)**
- **Chain drives^(B)**
- **Threaded connections^(E)**
- **Gears & gearbox^(C)**
- **Inner wall & mixing tool**
MOLYKOTE® Separator Silicone Spray or MOLYKOTE® 316 Silicone Release Fluid

4 Conveyor system, including molds

- **Bearings, rollers & pulleys^(A)**
- **Chains & sprockets^(B)**
- **Gearboxes^(C)**
- **Belt tensioner^{(B)(C)(E)}**
- **Fasteners^(E)**
- **Molds & filling spouts**
MOLYKOTE® Separator Silicone Spray or MOLYKOTE® 316 Silicone Release Fluid
- **Slide rails, plates & tracks**
Liquids: MOLYKOTE® 557 Silicone Dry Film Lubricant or MOLYKOTE® 316 Silicone Release Fluid
Sprays: MOLYKOTE® 557 Silicone Dry Film Lubricant (Aerosol), MOLYKOTE® Separator Silicone Spray or MOLYKOTE® 316 Silicone Release Fluid Spray
- **Spiral freezer^{(A)(B)(C)}**

5 Oven

- **Bearings (conveyor roller, trolley, fan blower)^(A)**
- **Slide rails & tracks**
See "Slide rails, plates & tracks" under "Conveyor system, including molds" at lower left
- **Door hinges & latches**
MOLYKOTE® Food Machinery Oil Spray
- **Chains^(B)**
- **Seals^(D)**
- **Threaded connections^(E)**

6 Packaging

- **Heat seal equipment (bars)**
MOLYKOTE® 316 Silicone Release Fluid Spray, MOLYKOTE® Separator Silicone Spray, MOLYKOTE® 7 Release Compound or MOLYKOTE® 316 Silicone Release Fluid
- **Conveyors**
See "Conveyor system, including molds" at left
- **Gearboxes^(C)**

7 Electrical substation

- **Gaskets & seals**
MOLYKOTE® 3099 HVIC Compound* or MOLYKOTE® 111 Compound
- **Switches**
MOLYKOTE® Cu-7439 Plus Paste V1*, MOLYKOTE® 41 Extreme High Temperature Grease*, MOLYKOTE® 44 Medium High Temperature Grease*, MOLYKOTE® 33 Medium Extreme Low Temperature Grease* or MOLYKOTE® 3451 Chemical Resistant Bearing Grease*
- **Switch gears**
MOLYKOTE® 111 Compound
- **High-voltage electrical contacts**
MOLYKOTE® HP-300 Grease or MOLYKOTE® G-5008 Dielectric Grease*

*This lubricant does not possess food industry certification. It should only be used in applications in which it will not have any contact with food.

General components



(A) Bearings

- **Standard**
MOLYKOTE® G-0050 FM White EP Bearing Grease, MOLYKOTE® G-0051 FM White EP Bearing Grease, MOLYKOTE® G-0052 FM White EP Bearing Grease, MOLYKOTE® G-1502 FM Synthetic Bearing & Gear Grease, MOLYKOTE® G-4500 FMS Multi-Purpose Synthetic Grease or MOLYKOTE® G-4501 FMS Multi-Purpose Synthetic Grease
- **Extreme temperatures**
MOLYKOTE® HP-300 Grease or MOLYKOTE® HP-500 Grease



(B) Chains

- **Non-dripping & extremely tacky**
MOLYKOTE® G-1502 FM Synthetic Bearing & Gear Grease
- **Extreme temperatures**
MOLYKOTE® L-1468 FM Synthetic Freezer Chain Oil
- **Spray**
MOLYKOTE® Food Machinery Oil Spray



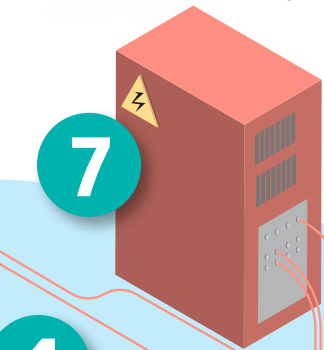
(C) Gears

- **Helical, helical bevel, planetary & cycloidal gear reducers**
MOLYKOTE® L-1115 FM Synthetic Gear Oil or MOLYKOTE® L-1122 FM Synthetic Gear Oil
- **Worm gears**
MOLYKOTE® L-1146FM Synthetic Extreme Temp Gear Oil
- **Oil lubrication – standard**
MOLYKOTE® L-1115 FM Synthetic Gear Oil or MOLYKOTE® L-1122 FM Synthetic Gear Oil
- **Oil lubrication – extreme temperatures**
MOLYKOTE® L-1146FM Synthetic Extreme Temp Gear Oil
- **Grease**
MOLYKOTE® G-1502 FM Synthetic Bearing & Gear Grease, MOLYKOTE® G-4500 FMS Multi-Purpose Synthetic Grease or MOLYKOTE® G-4501 FMS Multi-Purpose Synthetic Grease
- **Spray**
MOLYKOTE® Food Machinery Oil Spray



(D) Seals

- **Standard**
MOLYKOTE® 111 Compound
- **Extreme temperatures**
MOLYKOTE® HP-300 Grease
- **Chemical resistance**
MOLYKOTE® HP-300 Grease
- **Vacuum**
MOLYKOTE® High Vacuum Grease
- **Anti-stick**
MOLYKOTE® Separator Silicone Spray or MOLYKOTE® 316 Silicone Release Fluid
- **Mechanical seal**
MOLYKOTE® L-1605 FM Synthetic Barrier Fluid



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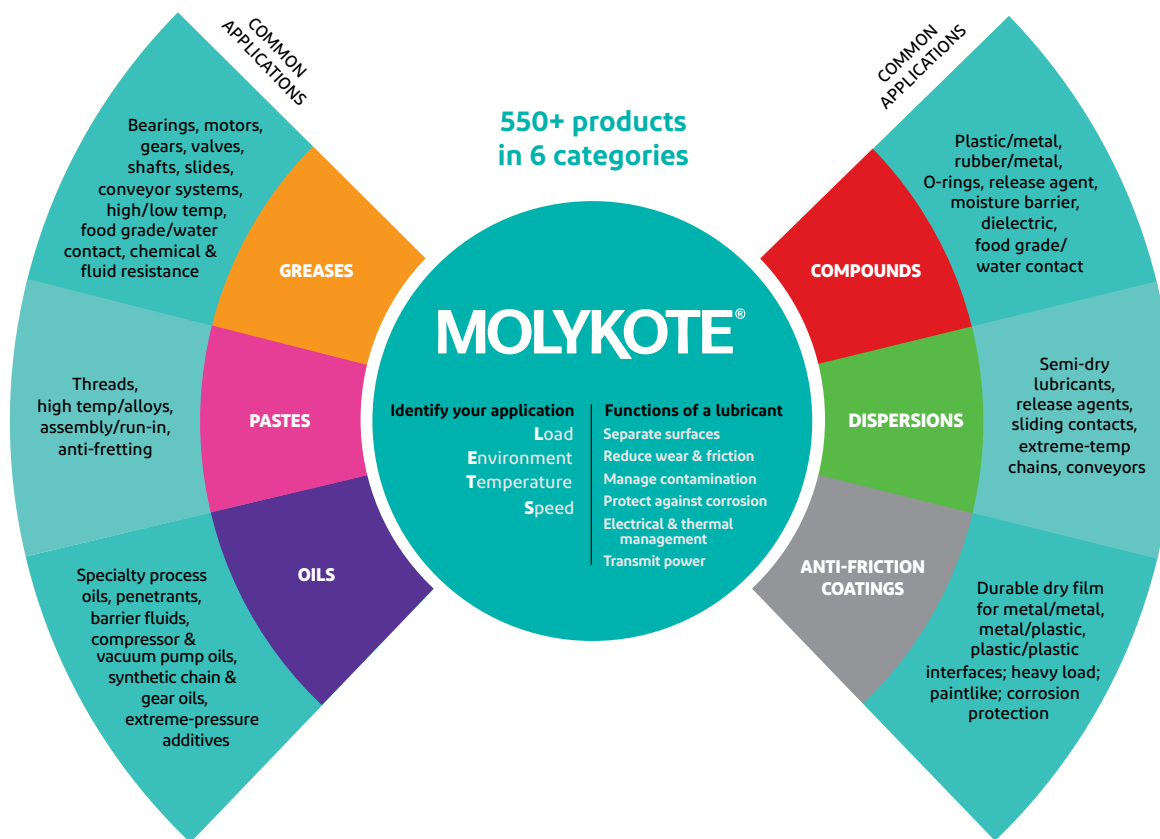
(E) Threaded connections

- MOLYKOTE® P-1900 FM Anti-Seize Paste or MOLYKOTE® P-1900 FM Paste Spray



(F) Cleaner

- MOLYKOTE® Foam Cleaner Spray



For more information

View food & beverage certifications for our lubricants:



Explore our food & beverage lubricants web page:



View MOLYKOTE® products' technical data sheets (TDS):



Featured MOLYKOTE® products for food & beverage processing			
GREASES		OILS	
G-0050 FM White EP Bearing Grease G-0051 FM White EP Bearing Grease G-0052 FM White EP Bearing Grease G-1502 FM Synthetic Bearing & Gear Grease G-4500 FMS Multi-Purpose Synthetic Grease G-4501 FMS Multi-Purpose Synthetic Grease G-5008 Dielectric Grease*	HP-300 Grease HP-500 Grease 33 Medium Extreme Low Temperature Grease* 41 Extreme High Temperature Grease* 44 Medium High Temperature Grease* 3451 Chemical Resistant Bearing Grease*	Food Machinery Oil Spray Separator Silicone Spray L-1115 FM Synthetic Gear Oil L-1122 FM Synthetic Gear Oil L-1146FM Synthetic Extreme Temp Gear Oil	L-1232FM Synthetic Compressor Oil L-1246FM Synthetic Compressor Oil L-1468 FM Synthetic Freezer Chain Oil L-1605 FM Synthetic Barrier Fluid L-1668FM Synthetic Blend Vacuum Pump Oil
COMPOUNDS	DISPERSIONS	PASTES	ANTI-FRICTION COATINGS
High Vacuum Grease 4 Electrical Insulating Compound 7 Release Compound 111 Compound 3099 HVIC Compound*	316 Silicone Release Fluid 316 Silicone Release Fluid Spray 557 Silicone Dry Film Lubricant 557 Silicone Dry Film Lubricant (Aerosol)	Cu-7439 Plus Paste V1* P-1900 FM Anti-Seize Paste P-1900 FM Paste Spray	N/A

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About MOLYKOTE® Specialty Lubricants

Since 1948, customers around the world have trusted the MOLYKOTE® brand for performance and expertise to help solve complex, technical design and lubrication challenges. To learn more about our extensive product and service offering, to utilize our interactive product selection tool, or to locate a distributor, visit molykote.com.

We have Contact Centers around the globe. Find the phone number for the center nearest you at www.dupont.com/molykotecontact.



MOLYKOTE®

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