



POULTRY

LUBRICATION GUIDE





POULTRY

FOOD GRADE LUBRICATION GUIDE



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DIGITAL COPY



BEARING LUBRICATION

Location & Equipment	Location Point	Recommended Food Grade Lubricant	Legacy	SAP Number
General Equipment	Bearings/Bushings	No-Tox® Food Grade Clear Grease 1, 2	62250, 62260	301567, 301568
General Equipment	Pillow/Pillar Block/Flange	No-Tox HD Food Grade Grease 1, 2	62270, 62280	301569, 301059
General Equipment -40°C (-40°F) to 204°C (400°F)	Bearings/Bushings/Flange	No-Tox Food Grade Synthetic EP Grease 1, 2	65380, 65390	301598, 301319
Low Temperature Down to -68°C (-90°F)	Freezer Bearings	No-Tox Food Grade Low Temperature Grease	62470	301573
Picker Hubs	Bearings	No-Tox HD Food Grade Grease 1, 2	62270, 62280	301569, 301059
Pumps	Pump Bearings	No-Tox Syntra™ Food Grade Synthetic Oil 46, 68	64235, 64236	301316, 301590

COMPRESSOR & VACUUM PUMP LUBRICATION

Location & Equipment	Location Point	Recommended Food Grade Lubricant	Legacy	SAP Number
Compressors	Reservoir	No-Tox HD Food Grade Oil 32, 46, 68	62682, 62683, 62684	301590, 301591, 301068
Compressors	Reservoir	No-Tox Syntra Food Grade Synthetic Oil 32, 46, 68	64234, 64235, 64236	301315, 301316, 301590
Refrigeration Compressor	Reservoir	No-Tox Syntra Food Grade Synthetic Oil 46, 68	64235, 64236	301316, 301590
Vacuum Pumps	Reservoir	No-Tox Syntra Food Grade Synthetic Oil 68, 100, 150	64236, 64237, 64238	301590, 301591, 301068
Vacuum Pumps	Reservoir	No-Tox HD Food Grade Oil 68, 100, 150	62684, 62685, 62686	300931, 301578, 301579

GEAR LUBRICATION

Location & Equipment	Location Point	Recommended Food Grade Lubricant	Legacy	SAP Number
Beveled Gears	GBX Reservoir	No-Tox HD Food Grade Oil 100	62685	301578
Beveled Gears	GBX Reservoir	No-Tox Syntra Food Grade Synthetic Oil 100	64237	301591
Helical Gears	GBX Reservoir	No-Tox HD Food Grade Oil 220, 320	62687, 62688	301241, 300920
Helical Gears	GBX Reservoir	No-Tox Syntra Food Grade Synthetic Oil 220, 320	64239, 64240	300934, 301592
Morse DVX GBX	Overhead Line Drive Worm Gear	No-Tox Syntra Food Grade Synthetic Oil 460	64241	301317
Picker Gears	GBX Reservoir	No-Tox HD Food Grade Oil 320, 460	62688, 62689	300920, 301242
Spiral Freezer GBX	Reducers	No-Tox Syntra Food Grade Synthetic Oil Series	Contact Technical Service	Contact Technical Service
Worm Gears	GBX Reservoir	No-Tox HD Food Grade Oil 460	62689	301242
Worm Gears	GBX Reservoir	No-Tox Syntra Food Grade Synthetic Oil 460	64241	301317

CHAIN LUBRICATION

Location & Equipment	Location Point	Recommended Food Grade Lubricant	Legacy	SAP Number
Conveyor Gravity Feed Automatic Oilers	Roller Chain Oilers	No-Tox HD Food Grade Oil 100	62685	301578
Engineered Drag Chains (Gravity Brush)	Pintle (Non Roller)	No-Tox Food Grade Waterproof Chain Lubricant	64060	301247
Overhead Conveyor Chain Auto Lube	X348 and X458 Bolted and I-Pin Chain	No-Tox Food Grade Air Line Lubricant	62050	301564
General Equipment	Roller Chains	No-Tox Food Grade Waterproof Chain Lubricant Spray	64070	301248
Spiral Freezer & Chiller Down to -63°C (-81°F)	Low Temperature Chains	No-Tox Syntra Food Grade Synthetic Oil 32	64234	301315

HYDRAULIC & PNEUMATIC LUBRICATION

Location & Equipment	Location Point	Recommended Food Grade Lubricant	Legacy	SAP Number
Airline Lubricators	Airline Lubricator	No-Tox Food Grade Air Line Lubricant	62050	301564
Biodegradable Fire Resistant	Hydraulic System Near Singer (Open Flame)	No-Tox BioFR Hydraulic 46	65422	301919
Hydraulic Central Systems	Hydraulic Reservoir	No-Tox HD Food Grade Oil 32, 46, 68	62682, 62683, 62684	301061, 301240, 300931
Hydraulic Central Systems	Hydraulic Reservoir	No-Tox Syntra Food Grade Synthetic Oil 32, 46, 68	64234, 64235, 64236	301315, 301316, 301590
Hydraulic Units	Hydraulic Reservoir	No-Tox HD Food Grade Oil 32, 46, 68	62682, 62683, 62684	301061, 301240, 300931
Hydraulic Units	Hydraulic Reservoir	No-Tox Syntra Food Grade Synthetic Oil 32, 46, 68	64234, 64235, 64236	301315, 301316, 301590

VENT MACHINERY LUBRICATION

Location & Equipment	Location Point	Recommended Food Grade Lubricant	Legacy	SAP Number
Slides & Guides	Low Temp Slides & Guides	No-Tox Food Grade Air Line Lubricant	62050	301564
Slides & Guides	Medium Temp Slides & Guides	No-Tox Food Grade Multipurpose Lubricant Spray	61881	301561

SPECIALTY & GENERAL MAINTENANCE LUBRICATION

Location & Equipment	Location Point	Recommended Food Grade Lubricant	Legacy	SAP Number
Can Seamers, Rotary Can Cookers	Turrets, Lift Cylinders	No-Tox Food Grade Seamer Oil 150	64227	301312
Conveyor Guides/Wear Strips	Slides & Guides	No-Tox Food Grade Silicone Lubricant Spray	61780	300879
Mixers, Blades, Hooks, Shackles	Direct Contact 3H	No-Tox Food Grade Divider Oil 15, 32, 68	21100, 24400, 62320	301685, 300991, 301570
Multipurpose Lubricant Aerosol	Chains, Cables, Miscellaneous	No-Tox Food Grade Multipurpose Lubricant Spray	61881	301561
White Grease Aerosol	Gears, Cams, Sleeve Bearings	No-Tox Food Grade White Grease Spray	62440	301571
Wolf-Tec/Marination	Injection Needles	No-Tox Food Grade Divider Oil 15	21100	301685



BEL-RAY®

For over 75 years, Bel-Ray® has been a leader in lubrication technology. Our products are engineered to protect equipment, reduce downtime and maximize operational efficiency to deliver superior business value across a wide variety of applications, including Automotive, Motorcycle and Power Sports, Mining, Oil and Gas Pipeline Operations, Food Processing, Heavy Equipment and other Industries.

Bel-Ray products have achieved the highest standards of quality and performance, while operating under harsh conditions and the toughest environments, earning the trust of Industrial Maintenance, Reliability and Engineering professionals across the globe.

CALUMET

Calumet (NASDAQ: CLMT) is a leading independent producer of high-quality, specialty hydrocarbon products and services customers around the world. Calumet processes crude oil and other feedstocks into customized lubricating oils, solvents and waxes used in consumer, industrial and automotive products; produces fuels including renewable diesel, renewable gasoline and is a leading producer of Sustainable Aviation Fuel (SAF) in North America; and provides oilfield services and products to customers throughout the United States.

Headquartered in Indianapolis, Indiana, over 1,600 team members operate at 12 specialty product manufacturing and production facilities across North America, producing 1,900+ unique products, which are available in more than 90 countries across the world, serving 2,400+ customers globally.

Calumet acquired Bel-Ray in December 2013 which is a part of the Performance Brands portfolio.

The NSF® categorizes food grade lubricants based on their potential contact with food, with H1* and 3H being key classifications.**

H1 Lubricants are designed for use when incidental, unavoidable food contact may occur, such as on machinery near food.

- Typically used in equipment and machinery such as on conveyor belts, pumps, and other parts of food processing machinery
- Meets NSF specific criteria for safety, including being odorless, non-toxic and non-reactive with food
- Allowed amount of lubricant that can be transferred to the food product is limited to a trace amount, often specified as 10 parts per million (10 ppm)

3H Lubricants are water-soluble oils, often edible oils, and biodegradable, used for rust prevention and cleaning on equipment.

- Typically applied to hooks, trolleys and similar equipment used in food processing
- Direct food contact is acceptable and does not need to be removed

Bel-Ray No-Tox products are NSF H1 and/or NSF 3H Registered, kosher and pareve approved and halal certified.

*NSF H1 = Incidental Food Contact

**NSF 3H = Direct Food Contact



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The Halal logo is a registered trademark of the Islamic Food and Nutrition Council of America (IFANCA).

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