

Bio-Penetrating Lubricant™ (BPL™)

Food Grade (H1, H2)

Biobased, Food-Safe Penetrant and Light Lubricant

Bio-Penetrating Lubricant™ (BPL™) Food Grade is a multifunctional, USDA H1-registered, biobased lubricant designed for incidental food contact applications in food, beverage, and pharmaceutical processing environments. Formulated with patented Stabilized™ HOBS (High Oleic Base Stock) technology, this product delivers outstanding penetrating power, lubrication, corrosion protection, and dielectric strength. It is odorless, tasteless, and manufactured under kosher supervision.

Benefits

- NSF H1 Registered (NSF #140448 / 140450)
- Readily biodegradable, non-toxic, and not bioaccumulative
- Excellent for tight-tolerance parts, threads, chains, cables, and hinges
- Manufactured Under Kosher Supervision, No animal byproducts
- High dielectric strength (47 kV, ASTM D-877)
- Penetrates deeply and leaves a protective lubricating film
- No VOCs, chlorine, animal byproducts, or heavy metals
- Safe for use in clean environments — food, pharmaceutical, and beverage
- EPA VGP 2013 compliant (EAL); exceeds LC-50 / EC-50 >1000 ppm toxicity standards

Application / New Filling

- Ideal for:
 - Food machinery and food processing equipment
 - Assembly lubrication, locks, hinges, bolts, jacks, chains, and gaskets
 - Light cutting, drilling, and tapping in food zone areas
 - Use on tools, seals, shafts, linkage cables, and air valves
- Compatible with light-duty air tool lubrication and rust prevention

Specifications and Approvals

- NSF H1 Incidental Food Contact Registration
- EPA VGP 2013 Environmentally Acceptable Lubricant (EAL)
- ASTM D-5864: Ultimately Biodegradable
- OECD 301 Readily Biodegradable



STABILIZED™
by Renewable Lubricants

- Patented Stabilized™ HOBS technology
- U.S. Patents: 6,383,992; 6,534,454; 6,624,124; 6,620,772

Applications with Incidental Food Contact in and Around Food Processing Equipment Areas, “clean” industries such as food, beverage, pharmaceutical personal care products and environmental areas.

Food Machinery Equipment Food and Beverage Manufacturing

Jacks	Tools	Assembly Parts	Bearings	Chains	Dies
Machine Tools	Gaskets	Hinges	Bolts	Shafts	Locks
Linkage Cables	Tools	Air Valves	Seals	Air Tools	Light cutting oil

NSF Registration: 140448 H1, and 140450 H1-Aerosol

Typical Data

Specific Gravity @60°F.	ASTM D-287	.88
Viscosity @ 40°C	ASTM D-445	13
Flash Point, PMCC	ASTM D-93	295°F (146°C)
Pour Point	ASTM D-97	-30°C
Copper Corrosion Prevention	ASTM D-130	1A
Rust Prevention	ASTM D-665	
Distilled Water		Pass-Clean
Synthetic Sea Water		Pass-Clean
Four Ball Wear	ASTM D-2266	0.40 mm

¹This product is acceptable as an incidental food contact lubricant (H1) for use in and around food processing areas. Such compounds may be used on food processing equipment as a protective anti-rust film, as a release agent on gaskets or seals of tank closures, and as a lubricant for machine parts and equipment in locations in which there is a potential exposure of the lubricated part to food.

STABILIZED by Renewable Lubricants* is RLI’s trademark on their proprietary and patented technology. This Stabilized technology allows the HOBS to perform as a high-performance formula in high and low temperature applications, reducing oil thickening and deposits. Patented Product: US Patent 6,383,992, US Patent 6,534,454, US Patent 6,624,124, US Patent 6,620,772 with additional Pending and Foreign Patents. ™ Trademark of Renewable Lubricants, Inc. Copyright 1999 Renewable Lubricants, Inc.

Availability F.O.B.: Hartville, Ohio, USA

Size	<u>11 oz</u> <u>Aerosol</u>	<u>12oz.</u> <u>Spray</u>	<u>1 Gal</u>	<u>5 Gal</u> <u>Pail</u>	<u>Drum</u>	<u>Totes</u>	<u>Bulk</u>
Item #	87002	87001	87003	87004	87006	87007	87009



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