**Renewable Lubricants, Inc.**
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# Bio-Arctic™ Firearm Lubricant

STABILIZED™ by Renewable Lubricants

## *"Biobased Lubricants that Perform Like Synthetics"*

A specially formulated, ultimately biodegradable[1] light lubricant that was developed to lubricate in extreme subzero temperatures. A combination of Biobased (vegetable) and synthetic base oils are formulated with the proper additive technology to lubricate into close tolerant areas and prevent corrosion. In addition, this lubricant can help clean and prevent deposits from forming that cause weapons to jam. This light lubricant has a pour point below -50$^{O}$C (-75$^{O}$F) and is designed specifically to perform in firearms but can find its way into many applications as a light general purpose lubricant or where cold temperatures lubrication is a problem. This product has exceptional benefits over petroleum oils in these applications because of its biodegrability when there is direct loss of the lubricant into the water, soil, or work environment.

**Applications** - Military - Industrial - Transportation - Marine - Agricultural

| | | | |
|---|---|---|---|
| Tools | Sports Equipment | Bearings | Bolts |
| Jacks | Assembly Parts | Wire ropes | Chains |
| Dies | Shafts | Hinges | Electronics |
| Locks | Linkage Cables | Air Valves | Air Tools |

**Typical Data**

| | | |
|---|---|---|
| Viscosity @40$^{O}$C., cSt. | ASTM D-445 | 9.7 |
| Flash Point, PMCC | ASTM D-93 | 340$^{O}$F (171$^{O}$C) |
| Pour Point (Rotational) | ASTM D-5985 | -54$^{O}$C |
| Copper Corrosion Prevention | ASTM D-130 | 1A |
| Rust Prevention | ASTM D-665 | |
| Distilled Water | | Pass-Clean |
| Synthetic Sea Water | | Pass-Clean |

STABILIZED by Renewable Lubricants* is RLI's trademark on their proprietary and patented anti-oxidant, anti-wear, and cold flow technology. High Oleic Base Stock (HOBS) are agricultural vegetable oils. This Stabilized technology allows the HOBS to perform as a high performance formula in high and low temperature applications, reducing oil thickening and deposits.

[1] Ultimate Biodegradation (Pw1) within 28 days in ASTM D-5864 Aerobic Aquatic Biodegradation of Lubricants
Patented Product: US Patent 6,383,992, US Patent 6,534,454 with additional Pending and Foreign Patents
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| **Availability** | **F.O.B. :Hartville, Ohio, USA** | **8oz. Spray** | **1 Gallon** | **5 Gallon Pails** | **Drums** | **Bulk** |
|---|---|---|---|---|---|---|
| RLI Product Item # | | | 81903 | 81904 | | |