Renewable Lubricants, Inc.
Distributed By: DM's Bio-Based Fluid Supply Inc.
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Bio-Process™ Oils (SUS-50, 70, 100, 150, 200)

STABILIZED™ by Renewable Lubricants

"Bio-based Lubricants that Perform Like Synthetics"

Bio-Process™ Oils are blended highly refined vegetable based oils (Bio-based) that replace neutral petroleum mineral oils in industrial processing applications. They have been Stabilized* to resist oxidation and provide excellent light color stability. They are virtually aromatic, chlorine, and sulfur free and may be used in dust control as a dust suppressant. The oils have been highly refined, bleached, deodorized and are high in oleic acid content for higher stability over conventional vegetable oils. In addition, they provide excellent compatibility with rubber polymers, mineral and synthetic oils, and provide excellent lubricity for recommended applications.

Bio-Process™ Oils are non-toxic, Food Grade[2], and exceeds U.S. FDA regulation 21 CFR 178.3620 (b and c), for use as dust suppressants, paper defoamers, in adhesives, rubber articles, and as a surface lubricant in the food packaging area. They are ideal for use in compounding a wide variety of finished rubber products where certain performance is desired in formulas. They also function as processing aids and extender oils in rubber compounding where vegetable oils may enhance the process. Bio-Process™ Oils are named for their approximate Saybolt viscosity, in SUS at 100°F.

Bio-Process™ Oils are ENVIRONMENTALLY RESPONSIBLE base oils that are formulated from renewable agricultural plant resources. We believe Earth's environmental future rests in the use of renewable material.

The advantages are many: biodegradable[1], renewable, low toxicity, no volatile organic compounds (VOCs), safer, more fire resistant, EPA and ISO 14000 compliant, reduces foreign oil, and helps secure the American Economy. OSHA and worker acceptance is high with bio-based oils.

Typical Specifications

Viscosity Grade (SUS)	**50**	**70**	**100**	**150**	**200**
Viscosity, cSt @40°C (D-445)	**7.3**	**13.0**	**20.9**	**31.7**	**38.0**
API Gravity @ 60°F. (D-287)	36.8	32.6	29.3	26.7	25.6
Pounds/Gallon @ 60°F.	7.01	7.18	7.32	7.45	7.50
Spec. Gravity @ 60°F.(D-287)	0.84	0.86	0.88	0.89	0.90
Flash Point, COC, °C (D-92)	146	180	220	250	290
Pour Point, °C (D-97)	-20	-20	-20	-20	-20
*Stabilized-Oxidation Inhibited	Yes	Yes	Yes	Yes	Yes

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
[2] Base oils and additives in this product are listed in 21 CFR 178.3570, Lubricants for incidental food contact (USDA H-1). Full compliance with other applicable restrictions of FDA, USDA, oil spill, and oil pollution prevention statutes is recommended.

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.

Availability **F.O.B. :Bolton, ON, Canada** **5 Gallon Pails** **Drums** **Bulk**