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Bio-SynXtra™ Heat Transfer Fluids (SUS-50, 70, 100, 150, 200)

For Mechanical Seals and Heat Transfer (Food Grade H1)

STABILIZED™ by Renewable Lubricants

"Biobased Lubricants that Perform Like Synthetics"

Bio-SynXtra™ Heat Transfer Fluids are blended highly refined Biosynthetic base oils (Biobased) that replace neutral petroleum mineral and synthetic oils in industrial Heat Transfer applications. They have been Stabilized* and filtered to resist oxidation and provide excellent stability. They are virtually aromatic, chlorine, and sulfur free and may also be used as a light lubricant for machine and instrument applications. The oils have been highly refined, and they are pure non-reactive biosynthetic fluids that provide excellent lubrication and cooling of many different heat transfer application. In addition, they provide excellent compatibility with most seal elastomers, mineral and synthetic polyalphaolefin (PAOs) oils, and provide excellent natural lubricity for the recommended applications.

Bio-SynXtra™ Heat Transfer Fluids are non-toxic, Food Grade[2], and exceeds U.S. FDA regulation 21 CFR 178.3570, in applications where there is a very high possibility of the lubricant coming into direct contact with food products. The products are acceptable as lubricants with incidental food contact (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 general-purpose light lubricant for machine parts, instrumentation, and equipment in locations in which there is a potential exposure of the lubricated part to food. Bio-SynXtra™ Heat Transfer Fluids are named for their approximate Saybolt viscosity, in SUS at 100°F.

Bio-SynXtra™ Heat Transfer Fluids 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: readily biodegradable[1], Food Grade[2], renewable, low toxicity, no volatile organic compounds (VOCs), safer, more fire resistant, EPA and ISO 14000 compliant, reduces foreign oil, meets the EPA-VGP EAL requirements, and helps secure the American Economy. OSHA and worker acceptance are high with biobased 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.	7.08	7.18	7.32	7.45	7.50
Spec. Gravity @ 60°F.(D-287)	0.85	0.87	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 RLI Product Item #	Yes 83400	Yes 83410	Yes 83420	Yes 83430	Yes 83440

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/readily 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 H1). Full compliance with other applicable restrictions of FDA, USDA, oil spill, and oil pollution prevention statutes is recommended.

Availability F.O.B. :Hartville, Ohio, USA 1 Gallon 5 Gallon Pail Drum Totes Bulk