



## Renewable Lubricants, Inc.

Distributed By: DM's Bio-Based Fluid Supply Inc.  
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### **Bio-Food Grade™ General Purpose**



### **Lubricant SAE 20** **3H, H1, H2**

### *"Bio-based Lubricants that Perform Like Synthetics"*

Bio-Food Grade™<sup>1</sup> General Purpose Lubricant, a vegetable oil-based lubricant (non-petroleum), contains ingredients which are 'Generally Regarded as Safe' (GRAS) for food applications. This bio-based product is acceptable for use as a Release Agent (3H) on grills, ovens, loaf pans, boning benches, chopping boards, canning lids, knife cutting and honing oil, or other hard surfaces in **contact** with meat, fish, and poultry food products to prevent food from adhering during processing. In addition, it performs as a protective anti-rust film, as a release agent on gaskets or seals of tank closures, and as a general purpose lubricant in applications where there is a very high possibility of the lubricant coming into direct contact with food products. It has excellent oxidative stability and high biodegradability and can be used in environmentally sensitive areas such as in agriculture, marine, and food processing plants.

Bio-Food Grade™ General Purpose Lubricant is an ENVIRONMENTALLY RESPONSIBLE, biodegradable lubricant that is formulated from renewable agricultural plant resources. We believe Earth's environmental future rests in the use of renewable material.

#### **Applications With Incidental Food Contact In and Around Food Processing Equipment Areas:**

Drip oilers, air-oilers, air-tools, water pumps, bearings, machine oil, roller chains, cables, small electric motors bearings, light circulating oil, etc., and general lubrication. This product may also be used in light reduction units and low temperature hydraulic systems where original equipment manufacturers require an ISO 32 or 46 R&O lubricant.

#### **NSF Registration**

**140449 3H, H1, H2**

#### **Typical Specifications**

Specific Gravity @60°F.	.91
VISCOSITIES:	
@100°C., cSt. (D-445)	8.5
@40°C., cSt. (D-445)	39.1
Viscosity Index (D-2270)	202
Flash Point, COC (D-92)	328°C
Pour Point, °C (D-97)	-18
Copper Corrosion (D-130) 3hr @ 100°C	1A
Acid Number (D-974)	0.10
Demulsibility (D-1401)	41/37/2 (30)
Foam Sequence I, II, III (D-892) 10 min.	0 Foam
Rust Prevention, (D-665 A)	Pass Clean
4 Ball Wear Scar Diam (mm) (D-4172)	.60
Dielectric Insulating Property (D-877)	47 kV
Biodegradability (D-5864) Pw1	Yes

STABILIZED by Renewable Lubricants\* is RLI's trademark on their proprietary and patented 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.

<sup>1</sup> This product is acceptable as a Release Agent (3H) in contact with food and as a lubricant 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 lubricant for machine parts and equipment in locations in which there is a potential exposure and/or direct contact to food.

Patented Product with Pending and Foreign Patents

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**Availability** **F.O.B. :Bolton, ON, Canada**

**5 Gallon Pails** **Drums** **Bulk**