



# Renewable Lubricants, Inc.

476 Griggy Rd., P.O. Box 474  
Hartville, Ohio 44632-0474  
Voice: 330.877.9982 Fax 330.877.2266  
Web: www.renewablelube.com

## Bio-Food Grade™ General Purpose Lubricant SAE 20 (Release Agent) 3H H1



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

Bio-Food Grade™ General Purpose is a vegetable oil-based lubricant (no petroleum) that contains ingredients which are ‘Generally Regarded as Safe’ (GRAS) for food applications. This product is registered NSF 3H as a Release Agent for Food Contact<sup>1</sup> and because it is totally formulated with edible food ingredients, it provides the safest product to prevent sticking of corn tortillas, corn chips, tacos, pizzas, potato chips, pretzels, cookies, cakes, candies, etc., on belts and conveyors, or metal slats in ovens. Contains no animal byproducts and are manufactured under kosher supervision.

In addition, this food safe 3H product is use as a Release Agent for grills, ovens, loaf pans, boning benches, chopping boards, canning lids, as a 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. It performs as a protective anti-rust film, as a release agent on gaskets or seals of lids and tank closures, and as a light general purpose lubricant in applications where there is a very high possibility of the lubricant coming into direct contact with food products. As a biobased, general-purpose lubricant, it provides good oxidative stability and high biodegradability and is recommended in environmentally sensitive areas such as in agriculture, marine, and food processing plants.

Bio-Food Grade™ General Purpose 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.

#### NSF Registration

**140449 NSF 3H H1**

#### 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 (very high flash)
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.

#### Proprietary Formulation

\* Trademark of Renewable Lubricants, Inc.  
Copyright 1999 Renewable Lubricants, Inc.

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

**5 Gallon Pails    Drums    Bulk**

RLI Product Item #

87014