



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-Blast™ Penetrant (Low Surface Tension)



"Biobased Lubricants that Perform Like Synthetics"

A specially formulated, biodegradable, fast acting penetrant that blows away rust, dirt, and also the competition. Bio-Blast™'s patented composition of additives and bio-solvents provides a fast penetrating catalyst that is non-staining to ferrous and non-ferrous metals. Corroded nuts and bolts shutter at the thought of Bio-Blast™. Bio-Blast™ displaces moisture and provides a high dielectric (47 kV ASTM D-877) insulating property in electrical equipment. Bio-Blast™ contains **no** hazardous Volatile Organic Compounds (VOCs).

Bio-Blast™ is formulated to penetrate into close tolerances and prevent corrosion. This product performs with a fast capillary wetting action that reduces surface tension, freeing up frozen parts. Bio-Blast™'s ability to creep is demonstrated by placing a 3/8" x 2" bolt on its head with 1/4" of Bio-Blast™ in the bottom of a lab beaker; Bio-Blast™ creeps vertically up the threads. This low surface tension technology has safety advantages over the competition by providing a non-flammable, non-combustible product according to DOT flash points. This product has exceptional benefits over petroleum solvents in these applications because there is direct loss of the penetrant into the water, soil, or work environment.

The advantages are many: biodegradable¹, renewable, low toxicity, no hazardous VOCs, safer, OSHA and ISO 14000 compliant, reduces foreign oil and helps secure the American economy. EPA, OSHA and Workers Acceptance is high with Biobased Products.

Formulated to meet or exceed Federal Specification A-A-50493B (superceding V V-P-216).

Applications:

-Military	-Industrial	-Home	-Transportation	-Marine	-Agricultural
Tools	Car Parts		Electrical Equip	Bolts	
Jacks	Assembly Parts		Wire Ropes	Chains	
Dies	Shafts		Hinges	Firearms	
Locks	Linkage Cables		Head Studs	Fishing Reels	

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, US Patent 6,624,124, US Patent 6,620,772 with additional Pending and Foreign Patents

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.

* Trademark of Renewable Lubricants, Inc.
 Copyright 2002 Renewable Lubricants™, Inc.

<u>Availability: F.O.B. :Hartville, OH, USA</u>	<u>11 oz Aerosol Can</u>	<u>12 oz. Spray Bottle</u>	<u>1Gal</u>	<u>5 Gal Pail</u>	<u>55 Gal Drum</u>
Item #	80352	80351	80353	80354	80356
National Stock Number: A-A-50493B	9150-01-591-4274	9150-01-591-4213	9150-01-591-4247		9151-01-591-4281