



Renewable Lubricants, Inc.

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

Bio-Soy Orange™ All-Purpose Degreaser/Cleaner



"Biobased Lubricants that Perform Like Synthetics"

An excellent biobased, ultimately biodegradable degreaser/cleaner that is a safe improvement over petroleum solvents. Bio-Soy Orange™ is a highly concentrated industrial degreaser that removes and cleans surfaces of stubborn stains, greases, and oily grimy dirt fast. Nothing cleans better than Bio-Soy Orange. A super all-purpose product for degreasing and cleaning warehouses and shop walls, floors, parts, tools, engines, and equipment. Unbelievable cleaning ability on RV camper and motor-home black streaks. Excellent for cleaning road grime and tar from tires and vehicles. This non-foaming product is great for cleaning and lifting cooked on grease and fats off of stoves and grills. Also excellent for cleaning boats, decks, and around marine areas.

This fresh citrus scented nonflammable biobased product is specially formulated with soy and orange solvents to provide an environmentally safe improvement in removing:

Grease	Oil	Asphalt	Tree Sap
Crayon	Tar	Adhesives	Scuff Marks
Lipstick	Wax	Stickers	Make-up
Tape	Gum	Ink	Shoe Polish
Glue	Marker	Scum	Tire Marks

Applications: –Military –Industrial –Transportation –Marine –Agricultural –Home Use
wood, vinyl, steel, and aluminum siding, tires, wheels, grills, decks, walls, floors, tile and grout, bathroom sinks, tubs, toilets, counter tops, cabinets, hood and exhaust vents, showers, fireplaces, etc.

Directions: Apply to area to be cleaned using a paper towel, rag or cloth and rinse with water. For tough cleaning jobs, apply concentrated Bio-Soy Orange directly on surface to be cleaned, scrub with a brush or rub with a cloth. If a clean dry surface is required, wipe clean with a wet cloth and then wipe with a dry cloth. Spot test before applying to surfaces. Test on inconspicuous area for discoloration and surface compatibility before using on plastics, fabrics, and painted surfaces. Never allow concentrated Bio-Soy Orange to stay on surfaces longer than necessary to clean. Rinse or wipe immediately with water. For large jobs a pressure washer or garden hose may be used for rinsing. For all purpose general cleaning, product may be diluted 1 part Bio-Soy Orange to 10 parts water. For light cleaning, product may be diluted 1 part Bio-Soy Orange to 30 parts water.

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Availability **F.O.B. :Hartville, Ohio, USA** **Spray Bottle** **1 Gallon** **5 Gallon Pails** **Drums** **Bulk**

MATERIAL SAFETY DATA SHEET

Renewable Lubricants, Inc.
P.O. Box 474
Hartville, OH 44632
Phone: (330) 877-9982 - Fax: (330) 877-2266

TRADE NAME: Bio-Soy Orange™ All-Purpose Degreaser/Cleaner
CAS NO: Mixture.
SYNONYMS: None.
GENERIC/CHEMICAL NAME: Mixture.
PRODUCT TYPE: Biodegradable Degreaser/Cleaner
PREPARATION/REVISION DATE: 03/01/05
TRANSPORTATION EMERGENCY PH NO: (330)877-9982

NFPA CODE: HEALTH: 1 FIRE: 1 REACTIVITY: 0
HMIS CODE: HEALTH: 1 FIRE: 1 REACTIVITY: 0

SECTION 1 - HAZARDOUS INGREDIENTS

- This material does not contain any chemical listed as a carcinogen or potential carcinogen by OSHA, IARC Monographs or National Toxicology Program.
 - This material has no known hazards.
 - All components of this material are on the U.S. T.S.C.A. Inventory or are exempt.
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SECTION 2 - PHYSICAL DATA

EVAPORATION RATE
(n-Butyl Acetate=1) Approx. 0
PERCENT VOLATILE: 0
BOILING POINT: >300°C (572°F)
VAPOR PRESSURE: <5 mm Hg at 72°F
VAPOR DENSITY (Air = 1): <1
SPECIFIC GRAVITY (H₂O = 1): 0.875 @ 15.6°C
SOLUBILITY IN WATER: Insoluble
APPEARANCE AND ODOR: light golden liquid mild odor

SECTION 3 - FIRE FIGHTING MEASURES

FLASH POINT (PMCC): 300° F (149° C)
UPPER FLAMMABLE LIMIT: Not Determined.
LOWER FLAMMABLE LIMIT: Not Determined.
EXTINGUISHING MEDIA: CO₂, dry chemical, alcohol foam. Water can be used to cool and protect exposed material.
SPECIAL FIRE-FIGHTING PROCEDURES: Recommend wearing self-contained breathing apparatus. Water may cause splattering. Material will float on water.

SECTION 4 - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: Contains vegetable oil. OSHA PEL of 5 mg per cubic meter. ACGIH STEL of 10 mg per cubic meter for mineral oil mists.

EFFECTS OF OVEREXPOSURE: May cause eye and skin irritation. Low order of toxicity.

SECTION 5 - EMERGENCY AND FIRST AID PROCEDURES:

ORAL: DO NOT INDUCE VOMITING. If conscious, give 2 glasses of water. Get immediate medical attention.

EYE: Flush with water at least 15 minutes. Get medical attention if eye irritation develops or persists.

SKIN: Wash with soap and water. Remove contaminated clothing. Get medical attention if irritation develops. Launder contaminated clothing before reuse.

INHALATION: Remove exposed person to fresh air if adverse effects are observed. If breathing is labored, administer oxygen. If breathing has stopped, apply artificial respiration. If irritation persists, get medical attention.

ADDITIONAL: Note to physician: Treat symptomatically.

SECTION 6 - STABILITY AND REACTIVITY

STABILITY: Material is normally stable at moderately elevated temperatures and pressures.

INCOMPATIBILITY: Oxidizing agents.

POLYMERIZATION: Will not occur.

THERMAL DECOMPOSITION: Smoke, carbon monoxide, aldehydes and other products of incomplete combustion.

SECTION 7 - SPILLS OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS SPILLED OR RELEASED:

Prevent entry into sewers and waterways. Pick up free liquid for recycle/disposal. Absorb small amounts on inert material for disposal.

WASTE DISPOSAL METHOD: This material is non-hazardous for disposal under RCRA. Disposal should be in compliance with federal, state and local laws.

SECTION 8 - HANDLING AND STORAGE

HANDLING PROCEDURES: Keep containers closed when not in use. Wash thoroughly after handling.

STORAGE PROCEDURES: No special storage precautions required.

SECTION 9 - EXPOSURE CONTROLS/PERSONAL PROTECTION

VENTILATION PROCEDURES:	Use local exhaust ventilation to control mists or vapors. Additional ventilation or exhaust may be required to maintain air concentrations below recommended exposure limits.
GLOVES PROTECTION:	Use nitrile or neoprene gloves.
EYE PROTECTION:	Chemical goggles or face-shield.
RESPIRATORY PROTECTION:	Under normal use conditions, respirator is not usually required. Use NIOSH/MSHA approved disposable dust/mist mask if the recommended exposure limit is exceeded. Use self-contained breathing apparatus for entry into confined space, for other poorly ventilated areas and for large spill clean-up sites.
CLOTHING RECOMMENDATION:	Long sleeve shirt is recommended. Wear a chemically protective apron when contact with material may occur. Launder contaminated clothing before reuse.

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