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MATERIAL SAFETY DATA SHEET

Section 1: Chemical Product and Company Identification

General Product Name: G-OIL; 2-Cycle Bio-Based Synthetic Green Engine Oil

Synonyms: None

Product Description: Lubricant for 2 Cycle engines

CAS Number: None **ASTM:** D 4859 – 97

Manufacturer / Supplier Green Earth Technologies, Inc.

1136 Celebration Blvd Celebration, FL 34747 USA Tel: (877) GET-GRN1

Technical Assistance: (877) 438-4761

Section 2: Hazards Identification

Appearance: Green colored liquid

Odor: Mild

Principal Hazards: This material has no known health hazards

This material is not considered hazardous by the OSHA Hazard communication Standard 29 CFR 1910.1200.

See Section 11 for complete health hazard information.

Section 3: Composition/Information on Ingredients

Hazardous Ingredients: This product contains no known hazards under applicable laws.

Section 4: First Aid Measures

Eyes: Flush with water for 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.

Oral: DO NOT INDUCE VOMITING. Get immediate medical attention.

Additional Information: Note to physician: Treat symptomatically.

Section 5: Fire Fighting Measures

Flash Point: >300 °F (ASTM D 92)

Extinguishing Media: CO₂, dry chemical, water spray (fog) or foam. Water stream may splash the burning

liquid and spread fire.

Firefighting Procedures: Recommend wearing self-contained breathing apparatus. Use water spray to cool

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drums exposed to fire.

Unusual Fire & Explosion

Hazards:

Not determined

Section 6: Accidental Release Measures

Spill Procedures: Recommend Personal Protective Equipment be worn, see Personal Protection

Section for PPE recommendations. Ventilate area if spilled in confined space or other poorly ventilated areas. Remove sources of ignition, contain spill to smallest area possible. Pick up free liquid for recycle and/or disposal. Residual liquid can be

absorbed on inert material. Grease nature will result in a slippery surface.

Section 7: Handling and Storage

Max. Handling Temperature: 75 °C, 167 °F

Handling Procedures: Keep containers closed when not in use. Wash thoroughly after handling. Empty

container contains product residue which may exhibit hazards of product.

Max. Storage Temperature: 45 °C, 113 °F

Storage Procedures: No special storage precautions required

Section 8: Exposure Controls/Personal Protection

Exposure Limits: None established

Engineering Controls: Use with adequate ventilation

Gloves Procedures: Use nitrile gloves
Eye Protection: Safety Glasses

Respiratory Protection: Under normal use conditions, respirator is not usually required.

Clothing Recommendation: Under normal use conditions, no special clothing required. Launder contaminated

clothing before reuse.

Section 9: Physical and Chemical Properties

Flash Point >300 °F (ASTM D 92)

Upper Flammable LimitNot determinedLower Flammable LimitNot determinedAutoignition PointNot determined

Explosion Data Material does not have explosive properties

Vapor Pressure Not determined PH Not determined

Specific Gravity 0.87

Bulk Density Not determined

Water Solubility Insoluble
Percent Volatile Unknown

Volatile Organic Compound Not determined

Vapor Density Not determined

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Evaporation Rate Not determined

Odor Mild

Appearance Green colored liquid

Viscosity >40 Centistokes (@40 °C)
>8 Centistokes (@100 °C)

Odor Threshold Unknown

Boiling PointNot determinedPour Point Temperature<-18 °C, 0 °F</th>Melting/Freezing PointNot determined

Section 10: Stability and Reactivity

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

Decomposition Temperature Not determined

Incompatibility: Oxidizing Agents, Acids, Halogens and halogenated compounds

Polymerization: Will not occur

Thermal Decomposition: Smoke, carbon monoxide, carbon dioxide, aldehydes and other products of

incomplete combustion.

Conditions to Avoid: Not Determined

Section 11: Toxicological Information

-- ACUTE EXPOSURE --

Eye Irritation: Not expected to cause eye irritation. Based on data from components or similar

materials.

Skin Irritation: Not expected to be a primary skin irritant. Based on data from components or

similar materials. Prolonged or repeated skin contact as from clothing wet with material may cause dermatitis. Symptoms may include redness, edema, drying and

cracking of the skin.

Respiratory Irritation: Under good industrial hygiene practices where all exposure limits are observed,

respiratory irritation should not be a problem. If material is misted or if vapors are generated from heating, exposure may cause irritation of mucous membranes and

the upper respiratory tract similar to that observed with mineral oil.

Dermal Toxicity: The LD50 in rabbits is >2000 mg/Kg. Based on data from components or similar

materials.

Inhalation Toxicity:No data available to indicate product or components may be a toxic inhalation

hazard.

Oral Toxicity: The LD50 in rats is >5000 mg/kg. Based on data from components or similar

materials

Dermal Sensitization:No Data available to indicate product or components may be a skin sensitizer.
Inhalation Sensitization:
No Data available to indicate product or components may be a respiratory

sensitizer.

-- CHRONIC EXPOSURE--

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Chronic Toxicity: No data available to indicate product or components present at greater than 1% are

chronic health hazards

Carcinogenicity: No data available to indicate any components present at greater than 0.1% may

present a carcinogenic hazard.

Mutagenicity: No data available to indicate product or any components present at greater than

0.1% are mutagenic or genotoxic.

Reproductive Toxicity: No data available to indicate either product or components present at greater than

0.1% that may cause reproductive toxicity.

Teratogenicity: No data available to indicate product or any components contained at greater than

0.1% may cause birth defects.

-- Additional Information --

Other No other health hazards known.

Section 12: Ecological Information

-- ENVIROMENTAL TOXICITY--

The acute EC50 is > 1000 mg/L based on similar materials.

Freshwater Fish Toxicity: The acute LC50 is > 1000 mg/L based on component data.

Not determined

Freshwater Invertebrates

- · · ·

Toxicity:

Algal Inhibition:

ty:

Saltwater Fish Toxicity: Not determined Saltwater Invertebrates Not determined

Toxicity:

Bacteria Toxicity: The acute EC50 is > 1000 ppm based on component data.

Miscellaneous toxicity: Not determined

-- ENVIROMENTAL FATE--

Biobased Content: >40% (exceeds the USDA's minimum requirement for 2-Cycle Oil)

Biodegradation: This product is rated Ultimate Biodegradable in which it will biodegrade greater than

or equal to 60% in 28 days

Bioaccumulation: This material displays no potential to bioconcentrate.

Section 13: Disposal Considerations

Waste Disposal: This material, if discarded, is not a hazardous waste under RCRA Regulation 40

CFR 261.

Section 14: Transport Information

ICAO/IATA (US)
ICAO/IATA (International)
IMDG
IMDG EMS Fire
IMDG EMS Spill
IMDG EMS Spill
IMDG MFAG
Not applicable
Not applicable

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Not Determined **USCG** Compatibility U.S. DOT Bulk Not regulated U.S. DOT Non-Bulk Not regulated **DOT NAERG** Not applicable **TDG Bulk** Not regulated **TDG Non-Bulk** Not regulated Mexico Not regulated Mexico Non-Bulk Not regulated

Bulk Quantity 85000 liters, 22457 gal. **Non-Bulk Quantity** 207.8 liters, 55 gal.

Review classification requirements before shipping materials at elevated temperatures.

Section 15: Regulatory Information

-- Global Chemical Inventories --

USA All components of this material are on the US TSCA Inventory or are exempt.

OTHER TSCA Reg. None known

EU All components are in compliance with the EC Seventh amendment directive

92/32/EEC

Japan All components are in compliance with the Chemical Substances Control Law of

Japan.

Australia All components are in compliance with chemical notification requirements in

Australia

Canada All components are in compliance with the Canadian Environmental Protection Act

and are present on the Domestic Substances List

Switzerland All components are in compliance with the Environmentally Hazardous Substances

Ordinance in Switzerland.

Korea All components are in compliance in Korea.

Philippines All components are in compliance with the Philippines Toxic Substances and

Hazardous and Nuclear Wastes Control Act of 1990 (R.A. 6969)

China

All components of this product are listed on the Inventory of Existing Chemical

Substances in China.

-- Other U.S. Federal Regulations --

SARA Ext. Haz. Subst. This product does not contain greater than 1.0% of any chemical substance on the

SARA Extremely Hazardous Substances list.

SARA Section 313 This product does not contain greater than 1.0% (greater than 0.1% for carcinogenic

substance) of any chemical substances listed under SARA Section 313.

SARA 311 Classification

Acute Hazard	No
Chronic Hazard	No
Fire Hazard	No
Reactivity Hazard	No

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CERCLA Hazardous

Substances

FDA Approval

None Known

Not Applicable

Not applicable

Not registered

-- Product Registrations --

U.S. Fuel Registration **U.S. Dept of Agriculture NSF Nonfood Compounds**

Not registered Registration Finnish Registration

Swedish Registration Norwegian Registration **Danish Registration Swiss Registration** Italian Registration

Korean Registration New Zealand Registration TDG Regulated Limit

Not registered None Known

Section 16: Other Information

US NFPA Codes

Health	Fire	Reactivity	Special
0	1	0	None Established

HMIS Codes

Health	Fire	Reactivity
0	1	0

Precautionary Labels

"This material has no known health hazards"

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