

SAFETY DATA SHEET

Smart Earth Performance FG – Food Grade Multi-Purpose Lubricant / BOV

1. IDENTIFICATION OF THE SUBSTANCE OR PREPARATION AND OF THE COMPANY

Identification of Preparation: Smart Earth Performance FG – Food Grade Multi-Purpose Lubricant / BOV
Date of Safety Data Sheet: March 25, 2017

Use of Preparation: Lubricant.

Company Identification: Smart Earth Corp.
120 Research Lane, 200
Guelph, Ontario N1G 0B4

Manufacturer's Emergency Telephone Number 319-824-5203

2. HAZARD IDENTIFICATION

Emergency Overview:

OSHA/ WHMIS 2015 Hazards:

Classification of substances or mixture

GHS-US/ Canadian classification:

Pressurised Container Category Compressed Gas

Label Elements

GHS Labeling

Hazard Pictograms (GHS):



Signal Word (GHS): Warning.

Hazard Statements (GHS):

H280: Pressurized container may explode if heated.

Precautionary Statements (GHS):

P210: Keep away from heat/sparks/open flames/hot surfaces. - No smoking

P251: Pressurized container: Do not pierce or burn, even after use.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

Response Statements (GHS):

P302 + P352: IF ON SKIN: Wash with plenty of soap and water.

P410 + P412: Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

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3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Description: Chemical

Ingredient	CAS#	% by Wt	Classification
Canola Vegetable Oil.	120962-03-0	80-95	Not classified as hazardous under WHMIS 2015
Methyl Ester	67784-80-9	4-19	Not classified as hazardous under WHMIS 2015

Contains additives that fall below the reportable threshold.

4. FIRST AID MEASURES

Inhalation:	Remove to fresh air. If symptoms persist consult physician.
Eye Contact:	Remove contacts. Flush with water for at least 20 minutes, occasionally lifting the upper and lower eyelids. Repeat if required. If irritation persists get medical attention.
Skin Contact:	Thoroughly wash exposed skin with soap and water. Remove any contaminated clothing and wash before reuse.
Ingestion:	Wash out mouth with water. Drink plenty of water. Do not induce vomiting unless directed by medical personal. Never give anything to an unconscious person. Get medical aid.
Notes to Physician:	Treatment based on judgment of attending physician.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media:	Flood with water for extinguishing agent. CO2, dry chemical, alcohol resistant foam
Unsuitable extinguishing media:	No information available.
Special exposure hazards	Thermal decomposition releases irritating gases.
Special safety equipment:	Self-contained positive pressure breathing apparatus and protective clothing.
Fire and explosion	Pressurized container may rupture when exposed to heat or flame. Bursting aerosol containers may propel from the fire at high speed.
Further information	Keep containers and surroundings cool with water spray.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Do not get in eyes, on skin, or on clothing. Do not breathe mist.

For Non-Emergency Personnel:

Protective Equipment: Use appropriate personal protection equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel.

For Emergency Personnel:

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Ventilate area.

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Environmental Precautions

Prevent entry to sewers and public waters.

Methods and Material for Containment and Cleaning Up:

For Containment: Contain any spills with dikes to prevent migration and entry into sewers or streams.

Methods for Cleaning Up: Clear up spills immediately with absorbent and dispose of waste safely.

Reference to Other Sections: See Heading 8. Exposure controls and personal protection.

7. HANDLING AND STORAGE

Precautions for safe handling:

Ensure good ventilation/exhaustion at the workplace.

Information about fire and explosion protection:

Keep respiratory protective device available.

No special measures required.

Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles:

Store in a cool location.

Protect from humidity and water.

Avoid storage near extreme heat, ignition sources or open flame.

Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

Information about storage in one common storage facility:

Store away from foodstuffs.

Further information about storage conditions:

Store in cool, dry conditions in well-sealed receptacles.

Store receptacle in a well-ventilated area.

Keep container tightly sealed.

Specific end use(s) No further relevant information available.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Respiratory protection:	Use local exhaust or dilution ventilation.
Hand protection:	Chemical resistant gloves.
Eye protection:	Safety goggles.
Skin protection:	Use body-covering impervious clothing.
Working hygiene:	Take usual precautions when handling. Workers should wash hands before eating, drinking or smoking.
Exposure guidelines:	Contains no substances with occupational exposure limit values.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties

Physical State	Liquid	Odour	Typical.
Appearance	Oil like liquid.	Odour Threshold	No data available.
Colour	Amber.		
Property	Values		

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pH	Not applicable.
Melting/Freezing Point	No data available.
Boiling Point/Range	No data available.
Flash Point	310 ° C
Evaporation Rate	No data available.
Flammability	Not flammable.
Flammability Limit in Air:	No data available.
Upper Limit	No data available.
Lower Limit	No data available.
Vapour Pressure	< 0.5mm Hg at 20 ° C
Vapour density	No data available.
Specific Gravity	0.89
Water Solubility	100 %
Solubility Other Solvents	No data available.
Partition Coefficient:	No data available.
n-octanol/water	No data available.
Autoignition temperature	No data available.
Decomposition	No data available.
Temperature	
Kinematic Viscosity	No data available.
Dynamic Viscosity	No data available.
Explosive Properties	No data available.
Oxidizing Properties	No data available

Other Properties:

Softening Point	Not applicable.
VOC Content %	No data available.
Particle Size	Not applicable.
Particle Size Distribution	Not applicable

10. STABILITY AND REACTIVITY

Reactivity	Stable under normal ambient temperature and pressure.
Chemical stability	Stable at normal conditions of use.
Thermal decomposition/conditions to avoid:	No decomposition if stored and used as directed.
Possibility of hazardous reactions	None known.
Conditions to avoid	Heat above 50 °C/122 °F. Direct Sunlight
Hazardous decomposition products	None known.
Materials to avoid	Oxidizing agents, acids.
Hazardous polymerization	Will not occur

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity:

LD/LC50 values relevant for classification:

Full formulation LD 50 oral < 5,000 mg/Kg (Oral/Rat) based on calculated values.

Primary irritant effect:

on the skin: None known.

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on the eye: Slight irritation.

Sensitization: None known.

Carcinogenicity: No ingredients listed.

Additional toxicological information:

None known

12. ECOLOGICAL INFORMATION

Toxicity:	Not classified.
Persistence and Degradability:	Not available
Bioaccumulative Potential:	Not available
Mobility in Soil:	Not available.
Other Adverse Effects	None known.
Other Information:	Readily biodegradable under OECD

13. DISPOSAL

Waste Disposal Recommendations: Dispose of waste material in accordance with all local, regional, national, and international regulations.

Ecology – Waste Materials: Avoid release to the environment.

14. TRANSPORTATION INFORMATION

Canadian T.D.G.:

UN number UN1950 UN proper shipping name AEROSOLS, non-flammable Class 2.2
Limited Quantity.

U.S. Department of Transportation:

UN number UN1950 UN proper shipping name AEROSOLS, non-flammable Class 2.2
Limited Quantity.

Water Transportation (IMDG):

UN number UN1950 UN proper shipping name AEROSOLS, non-flammable Class 2.2
Limited Quantity.

Air Transportation (IATA):

UN number UN1950 UN proper shipping name AEROSOLS, non-flammable Class 2.2
Limited Quantity.

15. REGULATION

HMIS III Rating

Health: 1 Slight Hazard - Irritation or minor reversible injury possible

Flammability: 0 Minimal Hazard

Physical: 0 Minimal Hazard

Personal Protection: B

SDS US (GHS HazCom 2012 and WHMIS 2015)

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16. OTHER INFORMATION

Prepared By: Lizmar
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Issuing Date: March 25, 2017

Disclaimer:

The manufacturer warrants that this product conforms to its standard specification when used according to direction. To the best of our knowledge the information contained herein is accurate. However, we do not assume accuracy or completeness of the information contained herein.

Final determination of the suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

End of Safety Data Sheet