# **MATERIAL SAFETY DATA SHEET**

## **SECTION 1 – IDENTIFICATION**

| PRODUCT IDENTIFIER Earth         |         | Earth         | Shine                    |                | WHMIS CI       | CLASSIFICATION |     | Not Regulat       | ted Under WHMIS |
|----------------------------------|---------|---------------|--------------------------|----------------|----------------|----------------|-----|-------------------|-----------------|
| PRODUCT USE Sp                   |         | Speci         | Specialty Use Fertilizer |                |                |                |     |                   |                 |
| MANUFACTURER NAME C              |         | Green         | GreenGro, LLC            |                | SUPPLIERS NAME |                |     |                   |                 |
| STREET ADDRESS                   |         | 7796 Bell Rd. |                          | STREET ADDRESS |                |                |     |                   |                 |
| CITY                             | Windsor |               | STATE                    | CA             | CITY           |                | PRC | OVINCE            |                 |
| POSTAL<br>CODE                   |         |               | PHONE<br>NUMBER          | 886-884-6803   | POSTAL<br>CODE |                |     | ERGENCY<br>EPHONE |                 |
| DATE January 3, 2016 PREPARED BY |         | GreenGro, LLC |                          |                | PHC<br>NUN     | ONE<br>MBER    |     |                   |                 |

#### **SECTION 2 – HAZARDS IDENTIFICATION**

| EMERGENCY OVERVIEW  |   |  |  |  |  |
|---|---|--|--|--|--|
| WHMIS<br>SYMBOL(S):   | NAP   |  |  |  |  |
| EFFECTS OF ACUTI  | E EXPOSURE TO PRODUCT                           |  |  |  |  |
| EYE CONTACT   | May cause mild irritation, possible reddening.  |  |  |  |  |
| SKIN CONTACT  | May cause mild irritation and redness.          |  |  |  |  |
| INHALATION  | May cause mild irritation to respiratory tract. |  |  |  |  |
| INGESTION May cause mild irritation to gastrointestinal tract.          |   |  |  |  |  |
| EFFECTS OF CHRONIC EXPOSURE TO PRODUCT                                  |   |  |  |  |  |
| Prolonged inhalation of excessive dust may produce pulmonary disorders. |   |  |  |  |  |

#### **SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS**

| NON-HAZARDOUS INGREDIENTS | %     | CAS       | LD <sub>50</sub> OF INGREDIENT | LC <sub>50</sub> OF INGREDIENT |
|---------------------------|-------|-----------|--------------------------------|--------------------------------|
| Bio Char-Charcoal         | 10-30 | 7440-44-0 | NAV                            | NAV                            |

## **SECTION 4 – FIRST AID MEASURES**

| EYE CONTACT  | Wash thoroughly with running water. Get medical advice if irritation develops.                        |
|--------------|---|
| SKIN CONTACT | Wash exposed area with soap and water. Get medical advice if irritation develops.                     |
| INHALATION   | Remove to fresh air if safe to do so. Get medical attention for any breathing difficulty.             |
| INGESTION    | Give several glasses of water to drink to dilute. If large amounts were swallowed get medical advice. |

### **EARTHSHINE SECTION 5 – FIRE FIGHTING MEASURES**

| FLAMMABLE                     | Yes   | IF YES, UNDI<br>CON         | ER WHAT<br>DITIONS? | Fire is possible at elevated temperature or by contact with an ignition source. Explosion: Fine dust dispersed in air in sufficient concentrations and in the presence of an ignition source is a potential dust explosion hazard. |     |  |
|-------------------------------|---|-----------------------------|---------------------|--|-----|--|
| MEANS OF<br>EXTINCTION        | Dry chemical, carbon dioxide, water spray, fog or foam. |                             |                     |  |     |  |
| FLASHPOINT &<br>METHOD        | NAV   | UPPER FLAMMABLE<br>LIMIT    | NAV                 | LOWER<br>FLAMMABILITY LIMIT  | NAV |  |
| AUTO IGNITION<br>TEMPERATURE  | Min. 330°C  | SENSITIVITY<br>TO IMPACT    | NAV                 | SENSITIVITY TO STATIC DISCHARGE  | NAV |  |
| HAZARDOUS COMBUSTION PRODUCTS |   | Carbon dioxide and carbon r | nonoxide            |  |     |  |

# SECTION 6 – ACCIDENTAL RELEASE MEASURES

| LEAK & SPILL<br>PROCEDURES | Avoid generation of dust; do not inhale. Large spills: Take up by mechanical means and dispose of in accordance with local regulations. Small spills: Sweep up dry and containerize. Reuse if suitable or dispose of in accordance with local regulations. |
|----------------------------|--|
|----------------------------|--|

### **SECTION 7 – HANDLING AND STORAGE**

| HANDLING<br>PROCEDURES &<br>EQUIPMENT | Minimize dust generation and accumulation; do not inhale. Use with adequate ventilation.  |  |  |  |
|---------------------------------------|---|--|--|--|
| STORAGE<br>REQUIREMENTS               | Store in a dry, cool place. Store in a tightly closed container. Keep away from sources of ignition and from contact with oxidizing materials. CAUTION: WET ACTIVATED CHARCOAL TAKES OXYGEN FROM THE AIR. This may cause hazards for workers in containers or enclosed areas. |  |  |  |

# SECTION 8 – EXPOSURE CONTROL / PERSONAL PROTECTION

| EXPOSURE LIMITS         | OSHA Permissible Exposure Limits (PELs): activated carbon (graphite, synthetic)Total particulate = 15 mg/m³ (TWA), respirable fraction = 5 mg/m³ (TWA)  ACGIH Threshold Limit Values (TLVs): graphite, all forms except graphite fibers: 2 mg/m³ (TWA) |
|-------------------------|--|
| ENGINEERING<br>CONTROLS | A system of local and/or general exhaust to keep employee exposures below the Airborne Exposure Limits and to avoid dust clouds  |
| PERSONAL PROTECTIV      | E EQUIPMENT  |
| GLOVES                  | Rubber or plastic.   |
| RESPIRATOR              | Required when dusts are generated. Be sure to use an approved/certified respirator or equivalent.  |
| EYE PROTECTION          | Goggles or face mask.  |
| FOOTWEAR                | Work boots or rubber boots.  |
| CLOTHING                | Long sleeves, pants or lab coat to minimize contact with skin.   |
| OTHER                   | NAP  |

## **EARTHSHINE**

## **SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES**

| PHYSICAL STATE      | Solid | ODOUR &<br>APPPEARANCE                      | Black Powder | ODOUR<br>THRESHOLD  | NAV                |
|---------------------|-------|---|--------------|---------------------|--------------------|
| EVAPORATION<br>RATE | NAV   | BOILING POINT                               | NAP          | MELTING PT          | NAP                |
| РН                  | NAV   | COEFFICIENT<br>OF WATER/OIL<br>DISTRIBUTION | NAV          | SOLUBILITY IN WATER | Insoluble in water |

### **SECTION 10 – STABILITY AND REACTIVITY**

| CHEMICAI                               | CHEMICAL STABILITY   |     |  |  |  |
|--|--|-----|--|--|--|
| √ YES                                  | YES – stable under normal temperature and pressure   |     |  |  |  |
| INCOMPAT                               | INCOMPATABILITY WITH OTHER SUBSTANCES  |     |  |  |  |
| √ YES                                  | INCOMPATIBLE SUBSTANCES Strong oxidizing agents (ozone, liquid oxygen, perchloric acid, table salt), metals and acids. |     |  |  |  |
| REACTIVE                               |  |     |  |  |  |
| √ NO                                   | NO Not reactive under normal conditions of use   |     |  |  |  |
| HAZARDOUS<br>DECOMPOSITION<br>PRODUCTS |  | NAV |  |  |  |

### **SECTION 11 – TOXICOLOGICAL INFORMATION**

| EFFECTS OF ACUTE EXPOSURE                      | May cause mild irritation to: skin, eyes, respiratory tract, and gastrointestinal tract. |
|--|--|
| EFFECTS OF CHRONIC EXPOSURE                    | May cause damage to the following organs: lungs.   |
| IRRITANCY OF PRODUCT RESPIRATORY SENSITIZATION | NAV  |
| SKIN SENSITIZATION                             | NAV<br>NAV   |
| CARCINOGENICITY - IARC                         | NAV  |
| CARCINOGENICITY - ACGIH                        | NAV  |
| REPRODUCTIVE TOXICITY                          | NAV  |
| TERATOGENICITY                                 | NAV  |
| MUTAGENICITY                                   | NAV  |
| EMBRYOTOXICITY SYNERGISTIC PRODUCTS/EFFECTS    | NAV<br>NAV   |

| FA | ۱R٦ | ГΗ | SI | 411 | NE |
|----|-----|----|----|-----|----|
|    |     |    |    |     |    |

#### **SECTION 12 – ECOLOGICAL INFORMATION**

| ECOTOXICITY | No information available. Not harmful to the environment |
|-------------|--|
|-------------|--|

#### **SECTION 13 – DISPOSAL CONSIDERATIONS**

|  | Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Dispose of container and unused contents in accordance with Federal, Provincial and local requirements. |
|--|--|
|--|--|

#### **SECTION 14 – TRANSPORT INFORMATION**

| SHIPPING INFORMATION |                             |  |
|----------------------|-----------------------------|--|
| TDG                  | Not Regulated for Transport |  |
| DOT                  | Not Regulated for Transport |  |

#### **SECTION 15 – REGULATORY INFORMATION**

| WHMIS<br>CLASSIFICATION | Not Controlled Under WHMIS | OSHA | NAV |
|-------------------------|----------------------------|------|-----|
| SERA                    | NAV                        | TSCA | NAV |

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by CPR

#### **SECTION 16 – OTHER INFORMATION**

As of the date of this document, the foregoing information is believed to be accurate and is provided in good faith to comply with applicable laws. However, no warranty or representation of law or fact, with respect to such information is intended or given.