

**1. IDENTIFICATION OF THE SUBSTANCE****Product:** Phydura**Manufacturer:** Soil Technologies Corp.**Address:** 2103 185<sup>th</sup> St, Fairfield, IA 52556**Phone No.:** 1-641-472-3963**Emergency No.:** 1-641-472-3963**Recommended Use:** Herbicide, non-selective**Restrictions on Use:** Not for human or animal consumption. Avoid contact with non-target vegetation.**2. HAZARDS IDENTIFICATION****Hazard Statements:**

Causes skin irritation

Causes serious eye damage

Harmful if swallowed

Harmful if inhaled

**Precautionary Statements:**

Use respiratory protection

Wear protective gloves, protective clothing

Wear eye protection, face protection

Wash thoroughly after handling

**3. COMPOSITION/INFORMATION ON INGREDIENTS****Composition:** Clove oil, Lactic acid, Potassium oleate, Vinegar, Water**4. FIRST AID MEASURES****Skin Contact:** In case of contact, flush skin with plenty of water for at least 15 minutes while removing contaminated clothing. Wash clothing before reuse. Get medical attention immediately.**Inhalation:** Move exposed person to fresh air. Loosen tight clothing around neck & abdomen. If needed, provide artificial respiration or oxygen by trained personnel. Get medical attention immediately.**Eye Contact:** Rinse cautiously with water for several minutes. Remove any contact lense(s) and rinse eyes thoroughly, pulling both upper and lower eye lids away from eyes. Get medical attention immediately.**Ingestion:** Wash out mouth with water. If conscious, drink water to dilute. Do not give anything by mouth to an unconscious person. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention immediately.**5. FIRE-FIGHTING MEASURES****Suitable Extinguishing Media:** Use foam, dry powder, carbon dioxide, water spray or sand, according to the nature of the surrounding material.**Unsuitable extinguishing media:** Do not use a heavy water stream.**6. ACCIDENTAL RELEASE MEASURES**

Prevent entry to sewers and public waters.

Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible.

**7. HANDLING AND STORAGE**

Store in original container away from children &amp; pets. Keep container upright &amp; tightly closed. Store locked up. Avoid temperature extremes, ignition sources and direct sunlight.

Use caution when opening containers as this is an acidic product and oil may be floating at the top of the product.

### 8. EXPOSURE CONTROL/PERSONAL PROTECTION

Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest.

Use personal exposure controls, such as protective gloves, chemical goggles or safety glasses, protective clothing and approved mask.

When using, do not eat, drink or smoke.

When using product outdoors, stay upwind from product and avoid contact with spray drift or vapors.

Ensure there is sufficient ventilation of the area and do not handle in a confined space. Avoid the formation or spread of mists in the air.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** Liquid

**Color:** Light yellow

**Odor:** Mild clove oil odor

**pH:** 1.8 (acid)

### 10. STABILITY AND REACTIVITY

**Chemical Stability:** Stable under normal conditions

**Physical Stability:** It is normal for oil to separate and drift to the top of the formula. Thorough mixing is recommended before use and frequent agitation is recommended during use.

**Conditions to Avoid:** Extremely high or low temperatures

**Materials to Avoid:** Strong bases.

**Hazardous Decomposition of Product:** No data available

### 11. TOXICOLOGICAL INFORMATION

**Potential Health Effects (Acute & Chronic):** May cause skin irritation, eye damage, or respiratory distress.

Ingestion may cause gastrointestinal irritation.

### 12. ECOLOGICAL INFORMATION

**Ecotoxicity Effects:** Burns foliage. Avoid drift to non-target vegetation.

### 13. DISPOSAL CONSIDERATIONS

**Waste Disposal Method:** Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Dispose of safely in accordance with national and local guidelines.

### 14. TRANSPORT INFORMATION

Not on the DOT list of hazardous materials. Use common sense procedures when transporting this liquid product.

### 15. REGULATORY INFORMATION

No additional information available.

### 16. OTHER INFORMATION

**Updated:** February 23, 2017