



## MATERIAL SAFETY DATA SHEET

### 1. PRODUCT INFORMATION

**Product Identifier:** **ACTIV-FC**

**Also known as:** **Light Molecular Weight Humic Substance, LMWHS**

**CAS#:** 308066-67-3  
**Supplier's Name:** Black Earth Humic LP  
**Address:** #432, 2880 – 45 Ave. SE  
**City:** Calgary  
**Province:** Alberta, Canada  
**Postal Code:** T2B 3M1  
**Emergency Telephone Number:** 780-453-2100

### 2. HAZARDOUS INGREDIENTS

Not applicable

### 3. PHYSICAL DATA

**Physical State:** Liquid  
**Odor:** Odorless  
**Odor Threshold:** Not applicable  
**Vapour Pressure:** Not available  
**Vapour Density:** Not available  
**Evaporation Rate:** Not applicable  
**Boiling Point:** 97 °C  
**pH:** 6.0  
**Appearance:** Blackish/brown  
**Specific Gravity:** 1.05  
**Coefficient of Water/Oil Distribution:** Not applicable

### 4. FIRE AND EXPLOSION HAZARD

**Flammability:** Not considered a fire hazard.  
**Flash Point:** Not applicable  
**Autoignition Temperature:** Not applicable  
**Flammable limits in air % by volume:** Not applicable  
**Means of Extinction:** Use media appropriate for surrounding fire.  
**Hazardous Combustion Products:** Not known

### 5. REACTIVITY DATA

**Flammability:** Not considered a fire hazard.  
**Flash Point:** Not applicable  
**Autoignition Temperature:** Not applicable  
**Flammable limits in air % by volume:** Not applicable  
**Means of Extinction:** Use media appropriate for surrounding fire.

**Hazardous Combustion Products:** Not known

### 6. HEALTH HAZARDS

**LD:** (Mixture) Not applicable.  
**LC:** (Mixture) Not applicable  
**Route of Exposure:** Swallowing (x)

Skin absorption (x)  
Inhalation (x)  
Skin contact (x)  
Eye contact (x)

**Effects of Single (Acute) Overexposure:**

**Swallowing:** May cause nausea, headache.

**Skin Absorption:** No evidence of adverse effects from available information.

**Inhalation:** May cause nasal stuffiness, cough, sore throat. Avoid breathing vapors and mist.

**Skin contact:** Staining may occur - wash with soap and water. No harmful effects expected.

**Eye contact:** No harmful effects expected from vapor. If splashed in eyes, rinse immediately with water for 15 minutes.

**Effects of Repeated (Chronic) Overexposure:** No evidence of adverse effects from available information.

**Significant Laboratory Data with Possible Relevance to Human Health Hazard Evaluation:** None currently known.

### 7. PREVENTATIVE MEASURES

**Personal Protective Equipment to be Used:**

**Respiratory Protection:** Not required if using the product outside in the fresh air. If using in an enclosed area, make sure there is good ventilation.

**Protective Gloves:** Wear loose-fitting gloves.

**Eye Protection:** It is recommended that goggles be worn when spraying.

### 8. FIRST AID

**Inhalation:** Get fresh air.

**Ingestion:** Dilute the stomach contents by giving large amounts of water or milk and induce vomiting.

**Eyes:** Flush with water for 15 minutes, insuring all surfaces and crevices are flushed.

**Skin:** Remove clothing and wash with soap and water

### 9. PREPARATION

Prepared by: Black Earth Humic LP  
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Reviewed by: Ryan Young  
Effective Date: December 2017

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