

# Material Safety Data Sheet

## Ecology Minerals Inc.

Trade Name: Humate-Extract  
Registration No: None

### SECTION 1

### CHEMICAL PRODUCT AND COMPANY INFORMATION

Manufactured By: Ecology Minerals Inc.  
5180 STATE Hwy 118  
Terlingua, TX 79852  
Emergency Phone: 432-371-2810

Product Name: Humate-Extract  
Common Name: B.A. Humus  
Chemical Type: Bioactive Humic Derivatives

### SECTION 2

### COMPOSITION INFORMATION

Chemical Name and Synonyms	C.A.S. No.	Chemical Formula	WT% Hazardous	ACGIH	PEL
Potassium Hydroxide	1310-58-3	not listed	not listed	2 mg/m <sup>3</sup>	not established
Phenolic Hydrocarbons: fulvic / humic acids		not listed	not listed	not listed	not listed
None listed			Non-Hazardous		

### SECTION 3

### HAZARDS IDENTIFICATION

**Ingestion:** Possible stomach disorders if taken orally.  
**Inhalation:** Possible lung congestion if inhaled.  
**Eye Contact:** Possible aggravation.  
**Skin Absorption:** Not normal route of entry.  
**Skin Contact:** May cause slight dermal effects to persons with sensitive skin. Possible skin reddening if not washed off affected area.  
**Effects of Overdose:** None listed.

### SECTION 4

### FIRST AID MEASURES

**Ingestion:** Get medical care.  
**Inhalation:** Remove to fresh air. Seek medical attention if discomfort persists.  
**Eyes:** Flush with water for 15 minutes. Seek medical attention if discomfort persists.  
**Skin:** Wash with soap and water. Seek medical attention if discomfort persists.

### SECTION 5

### FIRE FIGHTING MEASURES

**Extinguishing Media:** Water fog, foam, dry chemical, CO<sub>2</sub>.  
**Special Fire Fighting Procedures:** None listed.  
**Unusual Fire and Explosion Hazards:** None listed.

### SECTION 6

### ACCIDENTAL RELEASE MEASURES

**Steps to be taken in case material is released or spilled:**  
Small spills should be picked up with paper towels or a mop. Large spills should be wet vacuumed or siphoned into suitable containers for disposal or reclamation.

### SECTION 7

### HANDLING AND STORAGE

**Precautions to be taken in handling and storing:**  
Persons handling product should use proper protective equipment and handle with care. Containers should be stored in a cool, dry area to minimize product expansion and possible leakage. Wash hands and clothing after handling product.

### SECTION 8

### EXPOSURE CONTROLS / PERSONAL PROTECTION

**Ventilation Protection:** Natural ventilation is usually adequate.  
**Respiratory Protection:** Not considered necessary.  
**Protective Clothing:** Rubber or plastic gloves.  
**Eye Protection:** Chemical goggles.  
**Other:** Eye bath, shower, oxygen mask should be available.

### SECTION 9

### PHYSICAL AND CHEMICAL PROPERTIES

<b>Boiling Point:</b>	100°C	<b>Solubility in Water:</b>	Soluble
<b>Specific Gravity:</b>	1.019	<b>% Volatiles (by volume):</b>	Not listed.
<b>Flashpoint:</b>	Non-flammable aqueous solution.	<b>Vapor Pressure, mm Hg:</b>	570
<b>pH:</b>	8.6	<b>Reaction with Water:</b>	Not listed.
<b>Appearance:</b>	Dark brown to black liquid; None or mild odor.		
<b>Extinguishing Media:</b>	Use media suitable for extinguishing source of fire.		

Trade Name: Humate-Extract

**SECTION 10**

**STABILITY AND REACTIVITY**

<b>Stability (Normal Conditions):</b>	Stable
<b>Conditions to Avoid:</b>	None listed.
<b>Incompatibility (Material to Avoid):</b>	Neutralization reaction will occur if exposed to acidic materials.
<b>Hazardous Decomposition Products:</b>	At extreme temperatures, CO, an oxidation product, may be evolved. Will not occur.
<b>Hazardous Polymerization:</b>	

**SECTION 11**

**TOXICOLOGY INFORMATION**

No LD50 (oral, dermal or inhalation) have been determined.

**SECTION 12**

**ECOLOGICAL INFORMATION**

None listed.

**SECTION 13**

**DISPOSAL CONSIDERATIONS**

**Waste Disposal Procedures:** Check applicable local, state and federal regulations.

**SECTION 14**

**TRANSPORT INFORMATION**

<b>Shipping name:</b>	Not regulated by DOT	<b>C.A.S. Number:</b>	See "Ingredients"
<b>Hazard Class:</b>	None	<b>D.O.T. Number:</b>	None
<b>Reportable Quantity (RQ):</b>	None	<b>Haz Waste No:</b>	None
<b>Labels Required:</b>	None	<b>EPA Regist No:</b>	None
<b>Placard:</b>	None		

**SECTION 15**

**REGULATORY INFORMATION**

**Carcinogenicity:** Materials in this product are not considered carcinogens or teratogens.

Not on the SARA 302 list of reportable quantities.

**SECTION 16**

**OTHER INFORMATION**

<b>Flash Point (Test Method):</b>	<b>Not applicable</b>	<b>Flammable Limits</b>	<b>LOWER</b>	<b>UPPER</b>
<b>Autoignition Temperature:</b>	Not applicable	(% BY VOLUME)	N/A	N/A

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