



# Safety Data Sheet

## Humax<sup>®</sup>

### SECTION 1: Product and Company Identification

Product name: Humax<sup>®</sup>  
Product code: 0111  
Product use: Use of the product as plant and soil amendment, soil conditioner  
Product type: Liquid

Manufacturer: JH Biotech, Inc.,  
4951 Olivas Park Drive, Ventura, CA 93030  
Tel: (805)650-8933 Fax: (805)650-8942  
[info@jhbiotech.com](mailto:info@jhbiotech.com)

Emergency telephone: (800)428-3493 (within the United States)  
(805)650-8933 (outside the United States)

### SECTION 2: Hazards Identification

Contact with eyes or skin causes irritation. Harmful if swallowed.

HMIS Rating: Health = 1 Flammability = 0 Reactivity = 0

### SECTION 3: Composition/Information on Ingredients

| Component              | CAS No.   |
|------------------------|-----------|
| Humic acid, leonardite | 1415-93-6 |

### SECTION 4: First Aid Measures

Inhalation: Remove from source of exposure. Get medical attention if necessary.  
Skin contact: Wash thoroughly with soap and water. Get medical attention if necessary.  
Eye contact: Wash eyes with plenty of water for at least 15 minutes. Be sure to remove contact lenses. Get medical attention if necessary.  
Ingestion: Wash out mouth with plenty of water. Do not induce vomiting. Get medical attention if necessary.

### SECTION 5: Firefighting Measures

#### Suitable extinguishing media

Water spray, dry chemical, carbon dioxide, foam

#### Special hazards arising from the substance or mixture

Not available

#### Protection for firefighters

Wear protective clothing and equipment



# Safety Data Sheet

## Humax<sup>®</sup>

### SECTION 6: Accidental Release Measures

#### Personal precautions, protective equipment and emergency procedures

Wear protective clothing, gloves, and safety eye goggles.

#### Environmental precautions

Not available

#### Methods and material for containment and cleaning up

Contain all spills and leaks to prevent discharge into the environment. If spilled, use appropriate absorbent material to absorb the spilled material and flush spilled area with water.

#### Reference to other sections

Not available

### SECTION 7: Handling and Storage

#### Precautions for safe handling

Avoid overheating or freezing

#### Conditions for safe storage, including any incompatibilities

Store in a cool, dry, well-ventilated area away from direct sunlight. Keep containers tightly closed when not in use.

#### Specific end use(s)

Not available

### SECTION 8: Exposure Controls/Personal Protection

#### Personal Protection

|                         |                                                                                           |
|-------------------------|-------------------------------------------------------------------------------------------|
| Eye protection:         | Eye protection is required. To avoid contact with eyes, use safety eye goggles.           |
| Skin protection:        | Wear protective clothing as necessary to minimize contact. Use chemical resistant gloves. |
| Respiratory protection: | Not required.                                                                             |

### SECTION 9: Physical and Chemical Properties

#### Information on basic physical and chemical properties

|                              |                         |
|------------------------------|-------------------------|
| Appearance                   | Dark brown, black color |
| Odor                         | No odor                 |
| pH                           | 11 - 13                 |
| Melting point/freezing point | Not available           |
| Boiling point                | 100°C/212°F             |
| Flash point                  | Not available           |
| Evaporation rate             | Not available           |
| Flammability                 | Not available           |



# Safety Data Sheet

## Humax<sup>®</sup>

|                           |                  |
|---------------------------|------------------|
| Explosive limits          | Not available    |
| Vapor pressure            | Not available    |
| Vapor density             | Not available    |
| Relative density          | 1.1 g/cc         |
| Solubility                | Soluble in water |
| Partition coefficient     | Not available    |
| Auto-ignition temperature | Not available    |
| Decomposition temperature | Not available    |
| Viscosity                 | Not available    |
| Explosive properties      | Non explosive    |
| Oxidizing properties      | Not available    |

### SECTION 10: Stability and Reactivity

#### Reactivity

Not available

#### Chemical stability

Product is stable.

#### Possibility of hazardous reactions

Under normal conditions, hazardous reaction will not occur.

#### Conditions to avoid

Avoid heat

#### Incompatible materials

Acidic solutions of pH 5 or lower, compounds containing calcium

#### Hazardous decomposition products

Not available

### SECTION 11: Toxicological Information

#### Information on toxicological effects

|                        |               |
|------------------------|---------------|
| Acute toxicity:        | Not available |
| Irritation:            | Not available |
| Corrosivity:           | Not available |
| Sensitization:         | Not available |
| Dose toxicity:         | Not available |
| Carcinogenicity:       | Not available |
| Mutagenicity:          | Not available |
| Reproductive toxicity: | Not available |



# Safety Data Sheet

## Humax<sup>®</sup>

### SECTION 12: Ecological Information

**Ecotoxicity**

Not available

**Persistence and degradability**

Not available

**Bioaccumulative potential**

Not available

**Mobility in soil**

Not available

### SECTION 13: Disposal Considerations

**Waste treatment methods**

Not hazardous waste. Dispose of product in accordance with regulations.

### SECTION 14: Transport Information

**UN number:** Not available

**UN proper shipping name:** Not available

**Transport hazard class(es):** Not available

**Packing group:** Not available

**Environmental hazards:** Not available

**Special precautions for user:** Not available

### SECTION 15: Regulatory Information

**Safety, health and environmental regulations/legislation specific for the product**

Not available

### SECTION 16: Other Information

Issued: Dec. 1, 2014

Neither this data sheet nor any statement contained herein grants or extends any license, expressed or implied, in connection with patents issued or pending which may be the property of the manufacturer or others. The information in this sheet has been assembled by the manufacturer based on its own studies and on the work of others. The manufacturer makes no warranties, expressed or implied, as to the accuracy, completeness, or adequacy of the information contained herein. The manufacturer shall not be liable to the vendee, the vendee's employees, or anyone for any direct, special or consequential damages arising out of or in connection with the accuracy, completeness, adequacy, or furnishing of such information.