



# MATERIAL SAFETY DATA SHEET

NO: TSC-HumiKey B+

## 1. PRODUCT IDENTIFICATION

Company: Xi'an Tbio Crop Science Co.,Ltd.  
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China  
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http://www.tbio.cn  
E-mail: info@tbio.cn  
Product Name: HumiKey B+  
Chemical Name: Boron Humate

## 2. INGREDIENTS

**Material or Component:** composed of an extract of leonardite (slack lignite)

**Composition:**

<b>Total Humic extracts:</b>	<b>60%</b>
<b>Fulvic Acid:</b>	<b>10%</b>
<b>Boron (As B<sub>2</sub>O<sub>3</sub>):</b>	<b>8-10%</b>
<b>Potassium (As K<sub>2</sub>O)</b>	<b>6-8%</b>

## 3. PHYSICAL DATA

**Form:** Flake  
**Color:** Black brown  
**Odor:** mild odor  
**Viscosity:** N/A  
**Solubility in Water:** Completely  
**Vapor Pressure:** N/A  
**Specific Gravity:** 0.53  
**Melting Point:** °F > 300

## 4. TOXICOLOGICAL INFORMATION

**Acute** N/A

**Toxicity:**

**Chronic** N/A

**Effects:**

**Inhalation:** N/A

## 5. FIRST AID MEASURES

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**Skin Contact:** Wash with water. Seek medical advice if irritation persists

**Eye Contact:** Flush with water for 15 minutes. Seek medical advice if irritation pers

**Ingestion:** Do not induce vomiting; give small amounts of water or milk.

## 6. FIRE FLIGHTING MEASURES

<b>Extinguishing Media:</b>	In case of fire, appropriate extinguishing media include carbon dioxide, extinguishing powder or water jet. Fight large fires with alcohol-resistant foam.
<b>Hazards from Combustion Products:</b>	Product may emit carbon monoxide.
<b>Special Protective Precautions and Equipment for Fire:</b>	Fire fighters should wear a self contained breathing apparatus and full protective clothing along with protective equipment.
<b>Flammability</b>	incombustible.
<b>Conditions:</b>	

## 7. ACCIDENT RELEASE MEASURES

None

## 8. HANDLING AND STORAGE

<b>Storage Stability:</b>	When stored under normal storage conditions in original unopene containers, no change of its physical, chemical and biological prop will occur for min. two years.
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## 9. HEALTH HAZARD INFORMATION

<b>Inhalation:</b>	Dust can cause lung irritation, slight odor, protect with surgical mask
<b>Skin Contact:</b>	None, Safety in direct contact
<b>Eye Contact:</b>	Dust can cause eye irritation
<b>Ingestion:</b>	None in reasonable amount.

## 10. STABILITY & REACTIVITY DATA

<b>Stability:</b>	Stable under light
<b>pH Range at Which Stable:</b>	8 – 10 at 25 °C
<b>Reaction:</b>	No reaction in normal pH, temperature and moisture Condition

## 11. TOXICOLOGICAL INFORMATION



**Swallowed:** No information available on symptoms from swallowing this product.  
**Eye:** May cause eye irritation.  
**Skin:** May cause skin irritation.  
**Inhaled:** Product may be irritating to the mucous membranes.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** No data available.  
**Persistence and Degradability:** No information available on persistence/degradability for this product.  
**Mobility Spontaneous:** coupling by biochemical reaction in soil.  
**Environmental Fate (Exposure):** Do not allow product to enter drains, waterways or sewers.  
**Bioaccumulative Potential:** No information available on bioaccumulation for this product.

## 13. SPILL LEAK AND DISPOSAL PROCEDURES

Treat as for spillages: N/A

## 14. TRANSPORT INFORMATION

**Proper Shipping Name:** HumiKey B+  
**Packing:** In 20kgs net bags with liner inside.

## 15. REGULATORY INFORMATION

None

## 16. OTHER INFORMATION

The information presented herein is based on available data from reliable sources and is correct to the best of Xi'an Tbio Crop Science Co., Ltd. knowledge. Indications only describe product safety requirements and they are based on our actual knowledge. They represent no guarantee regarding the product's characteristics in the sense of legal warranty liability. Specifications are available in the individual technical data sheet of the various products.

Safety technical data sheet prepared by: product safety department.