



MATERIAL SAFETY DATA SHEET

NO: TSC-Humikey

1. PRODUCT IDENTIFICATION

Company: Xi'an Tbio Crop Science Co.,Ltd.
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Product Name: TBIO Humikey
Chemical Name: Potassium Humate

2. INGREDIENTS

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

Composition:

Total Humic extract:	80%
Fulvic Acid:	15-20%
Potassium (As K2O)	8%

3. PHYSICAL DATA

Form: Flake
Color: Black brown
Odor: mild odor
Physical State: Fine Flakes
Viscosity: N/A
Solubility in Water: Complete
Vapor Pressure: N/A
Specific Gravity: 0.48
Flash Point: N/A
Melting Point: °F > 300

4. TOXICOLOGICAL INFORMATION

Acute Toxicity: N/A
Chronic Effects: N/A

5. FIRST AID MEASURES

Inhalation: N/A



- Skin Contact:** Wash with water. Seek medical advice if irritation persists.
- Eye Contact:** Flush with water for 15 minutes. Seek medical advice if irritation persists.
- Ingestion:** Do not induce vomiting; give small amounts of water or milk.

6. FIRE FLIGHTING MEASURES

- Flash Point:** N/A
- Flammable Limits :** N/A

7. ACCIDENT RELEASE MEASURES

None

8. HANDLING AND STORAGE

- Storage** When stored under normal storage conditions in original unopened containers, no
- Stability:** change
of its physical, chemical and biological properties will occur for min. two years.

9. HEALTH HAZARD INFORMATION

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

10. STABILITY & REACTIVITY DATA

- Stability:** Degraded at pH 9.6 and 45 °C, stable under light.
- pH Range at Which Stable:** 9 – 11 at 25 °C.
- Reaction:** No reaction in normal pH, temperature and moisture condition.

11. TOXICOLOGICAL INFORMATION

None

12. ECOLOGICAL INFORMATION

None

13. SPILL LEAK AND DISPOSAL PROCEDURES

Treat as for spillages: N/A

14. TRANSPORT INFORMATION



Proper Shipping Name: TBIO Humikey

Packing: In 20kgs net paper 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.