

# Material Safety Data Sheet

## Section 1. IDENTIFICATION

Trade Name : **Potassium Humate Flakes**

Contact : CHANGSHA RICHFIELD AGRI TECH CO.,LTD

Add : No.3 of Building 15.A Section of Longfeng,Dazhong , Huangxing Town, Changsha,  
Hunan, P.R.China

## Section 2. COMPOSITION AND INFORMATION ON INGREDIENTS

Potassium Humate Flakes is a kind of high polymer heterogeneous aromatic potassium salt contains hydroxyl, carboxyl and other active groups. It's alkaline, soluble in water and has the multiple functions such as: ion exchange, absorbing, chelating, complexing, flocculating, dispersion and cohesion, etc. It has a wide use in industry and agriculture.

Potassium Humate Flakes:

| <b><u>Components</u></b> | <b><u>Percentage</u></b> | <b><u>CAS No.</u></b> |
|--------------------------|--------------------------|-----------------------|
| Humic acid               | 40-70%                   | 1415-93-6             |
| K2O                      | 6-12%                    | 12136-45-7            |

## Section 3. HAZARDS IDENTIFICATION

### Health Effect

Ingestion Large amount of ingestion may cause gastrointestinal irritation.

Eye contact May cause slight irritation.

Skin contact May cause slight irritation. Inhalation May cause slight irritation.

Chronic There have been no reports in the literature of health effects in workers arising from long term exposure to this substance.

**Toxicity Data:** Not toxic

## Section 4. FIRST AID MEASURE

Ingestion: Seek medical attention.

Eye contact: Immediately irrigate with water or neutral saline solution seek medical attention.

Skin contact: Wash off with clean running water.

Inhalation If dust inhaled, blow out, seek medical action.

## **Section 5. FIRE FIGHTING MEASURES**

Flash point: Not flammable

Flammable limits: NA

Extinguishing media: Use media suitable for surrounding fire.

**SPECIAL FIRE FIGHTING PROCEDURES:**

Wear full protective clothing and positive-pressure self-contained breathing apparatus

## **Section 6. ACCIDENTAL RELEASE MEASURE**

**SPILL / RELEASE PROCEDURES:** Collect spilled product and store to re-use. Contaminated product and/or environmental media should be recovered and disposed of properly.

## **Section 7. HANDLING AND STORAGE**

Store in a cool, dry, well ventilated area

## **Section 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION**

Eye: safety

Gloves: not required

Other clothing and equipment: not required.

Precautionary statements: do not breathe dust, avoid contact with eyes.

## **Section 9. PHYSICAL AND CHEMICAL PROPERTIES**

Physical state and appearance: Solid.

Color: dark,black,dark brown.

PH: 9.0-11.0

Flammability: Not flammable

Boiling point: No data available

Melting point: No data available

Vapour pressure: No data available

Flash point: No data available

## **Section 10. STABILITY AND REACTIVITY**

Stability: The product is stable.

## **Section 11. TOXICOLOGICAL INFORMATION**

Not toxic.

## **Section 12. ECOLOGICAL INFORMATION**

Eco-toxicity: Not available.

Special Remarks on the Products of Biodegradation: Not available.

## **Section 13. DISPOSAL CONSIDERATION**

Waste disposal method: Dispose of in accordance with all federal, state, and local regulations.

Reuse recovered product where possible.

## **Section 14. TRANSPORT INFORMATION**

### **BY AIR**

#### **IATA**

Proper Shipping Name: POTASSIUM HUMATE FLAKE

Class No Data Available

Subsidiary Risk(s) No Data Available

UN Number No Data Available

Hazchem No Data Available

Pack Group No Data Available

Special Provision No Data Available

### **BY SEA**

#### **IMDG:**

Proper Shipping Name: POTASSIUM HUMATE FLAKES

Class No Data Available

Subsidiary Risk(s) No Data Available

UN Number No Data Available

Hazchem No Data Available

Pack Group No Data Available

Special Provision No Data Available

EMS No Data Available

Marine Pollutant No

#### **Section 15. NATIONAL REGULATIONS AND REFERENCES**

Not available.

#### **Section 16. OTHER INFORMATION**

The information contained in this Material Safety Data Sheet is correct to the best of our knowledge at the date of issue. It is not intended as a guide for the safe use, handling, disposal, storage and transportation and is not a warranty or as a specification. This information relates only to the product specified and may not be suitable for combinations with other materials or in the process other than those specifically described herein.