

# Seek Bio-Technology (Shanghai) Co.,Ltd

## Material Safety Data Sheet

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### 10-50-10 WATER SOLUBLE FERTILIZER

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## 1. Product Identification

Synonyms: Compound fertilizer, NPK fertilizer, NPKS Fertilizer, Complex fertilizer.  
Product Codes: 20160707

### MANUFACTURER

**Company Name** : Seek Bio-Technology (Shanghai) Co.,Ltd

**Address:** A7, NO.298, Lane 3509, South Hongmei Road, Minhang Shanghai, China

**Telephone No.:**86-21-52960896

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## 2. Composition/Information on Ingredients

Product name : 10-50-10 WATER SOLUBLE FERTILIZER  
Chemical Composition (Typical Analysis)

Chemical Name	CAS No.	Molecular formula
Monoammonium Phosphate	7722-76-1	(NH <sub>4</sub> )H <sub>2</sub> PO <sub>4</sub>
Monopotassium Phosphate	7778-77-0	KH <sub>2</sub> PO <sub>4</sub>
Potassium Sulphate	7778-80-5	K <sub>2</sub> SO <sub>4</sub>
Urea	57-13-6	CO(NH <sub>2</sub> ) <sub>2</sub>

### Classification

Not classified as hazardous material according to EEC Directive 67/548/EEC.

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## 3. Hazards Identification

The fertilizers are basically harmless products when handled correctly. **SAF-T-DATA<sup>(tm)</sup>**  
Ratings (Provided here for your convenience)

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Health Rating: 1 - Slight

Flammability Rating: 0 - None

Reactivity Rating: 1 - Slight

Contact Rating: 2 - Moderate

Lab Protective Equip: GOGGLES; LAB COAT; PROPER GLOVES

Storage Color Code: Green (General Storage)

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#### Potential Health Effects

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##### **Inhalation:**

Causes irritation to the respiratory tract. Symptoms may include slightly coughing.

##### **Skin Contact:**

Causes irritation to skin. Symptoms include slightly redness.

##### **Eye Contact:**

Causes irritation, slightly discomfort.

##### **Chronic Exposure:**

No information found.

##### **Aggravation of Pre-existing Conditions:**

No information found.

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## 4. First Aid Measures

##### **Inhalation:**

Remove to fresh air. Obtain medical attention if ill effects occur.

##### **Skin Contact:**

Immediately flush skin with plenty of running water .

##### **Eye Contact:**

Immediately flush eyes with plenty of water, lifting upper and lower eyelids occasionally.  
Obtain medical attention if eye irritation persists.

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## 5. Fire Fighting Measures

##### **Fire:**

Not considered to be a fire hazard.

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#### **Fire Extinguishing Media:**

Use any means suitable for extinguishing surrounding fire. Water spray may be used to keep fire exposed containers cool.

#### **Special Information:**

In the event of a fire, wear full protective clothing and approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

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## 6. Accidental Release Measures

LAND SPILL: Sweep up and shovel into suitable containers for disposal.

Avoid contact with combustibles. Reuse as fertilizer, if possible.

WATER SPILL: Keep out of water supplies, lakes, ponds, streams and rivers.

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## 7. Handling and Storage

Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage. Isolate from incompatible substances.

Keep out of reaching  
of children.

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## 8. Exposure Controls/Personal Protection

#### **Precautionary and engineering measures**

Avoid high dust concentration and provide ventilation when necessary.

#### **Personal Protection**

Wear suitable gloves when handling the product over long periods.

Use chemical dust respirator if dust concentration is high.

After handling product, wash hands and observe good hygiene practice.

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**9. Physical and Chemical Properties**

Odour	:	Odourless
pH	:	5.0 (10% Aq.)
Melting point/Melting range	:	Not Applicable
Decomposition temperature	:	Not Available
Flash point	:	Not Available
Flammability	:	None
Relative Density	:	1.1 g/cm <sup>3</sup> (Bulk Density)
Solubility	:	Soluble in water ,extent depends on composition.

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## 10. Stability and Reactivity

**Stability:**

Stable under ordinary conditions of use and storage.

**Hazardous Decomposition Products:**

Ammonia is released upon reaction with strong bases. Not relating to PK fertilizer.

**Hazardous Polymerization:**

Will not occur.

**Conditions to Avoid:**

Heat, incompatibles.

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## 11. Toxicological Information

ECOTOXICITY: Large amounts of product released to water systems wont be harmful to aquatic plant and animal life.

PERSISTENCE AND DEGRADABILITY: Fertilizer granules are soluble in water and biodegradable.

BIOACCUMULATIVE POTENTIAL: Not available.

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## 12. Ecological Information

**Environmental Fate:**

No information found.

**Environmental Toxicity:**

No information found.

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## 13. Disposal Considerations

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

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## 14. Transport Information

Not regulated. Considered non-hazardous material according to UN Orange and international transport codes e.g. RID (rail), ADR (road) and IMDG (sea).

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## 15. Regulatory Information

1. Immediate (Acute) Health Effect ; No
2. Delayed (Chronic) Health Effect; No
3. Fire Hazard; No
4. Sudden Release of Pressure Hazard; No
5. Reactivity Hazard; No

SECTION 313 (40 CFR 372) :None

Please refer to any other federal, state and local regulations.

### **WHMIS:**

Compound fertilizers are not classified, i.e. considered non-hazardous materials

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## 16. Other Information

### **Product Use:**

Laboratory Reagent.

### **Revision Information:**

No Changes.

