

MATERIAL SAFETY DATA SHEET OF LIQUID FERTILIZER

1. IDENTIFICATION OF THE CHEMICAL PRODUCT AND COMPANY

Supplier: Shanghai Bosman Industrial Co., Ltd.

Street address: No.1611, North Sichuan Road, Hongkou District, Shanghai, P.R. China.

FAX: +86 21 63566528

TEL: +86 21 63065878

Product name: Liquid Organic

2. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT	CAS NO	PROPORTION, %
Humic acid	1415-93-6	≥ 8%
Seaweed extract	92128-82-0	≥ 15%
K ₂ O (Dry basis)	12136-45-7	≥ 2%
others	Not available	Up to 100%

Other ingredients determined not to be hazardous

3. HAZARDS IDENTIFICATION

Black liquid. Harmful if swallowed. May cause eye irritation. Prolonged inhalation may cause respiratory irritation. Avoid strong acids.

4. FIRST AID MEASURES

Eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first five minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

Skin: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

Ingestion: Call a poison control center or physician immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

Inhalation: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth and get medical attention.

5. FIRE FIGHTING MEASURES

Extinguishing media: Carbon dioxide, chemical, foam, or water fog.

Special fire-fighting procedure:

Wear positive pressure, self-contained breathing apparatus and full protective clothing. Avoid smoke inhalation. Contain any liquid runoff.

Hazardous combustion products: None

6. ACCIDENT RELEASE MEASURES

Containment: Prevent product spillage from entering drinking water supplies or streams.

Clean Up: Collect and package for disposal.

Evacuation: Not necessary.

7. HANDLING AND STORAGE

Handling precaution:

Avoid breathing fertilizer dust. Avoid prolonged or repeated skin contact. Avoid eye contact. Wash hands thoroughly after handling this product.

Storage precaution:

Store in original containers only. Keep containers tightly closed when not in use. Store in a cool, dry, well-ventilated area, preferably in a locked storage area away from children, feed and food products and seed.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering controls:

The use of local exhaust ventilation is recommended. Containers should be kept tightly closed. Make available emergency showers and eye washes in a work area.

Personal protective equipment:

Eyes: Chemical dust/splash goggles or full-face shield to prevent eye contact. As a general rule, do not wear contact lenses when handling.

Skin: Wear impervious clothes, waterproof gloves, shoes plus socks.

Respiratory: Not normally needed. If use generates a respiratory irritation, use NIOSH-approved dust/mist respirator.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Black liquid

pH: NA

Specific gravity: NA

Solubility in water: soluble in water.

10. STABILITY AND REACTIVITY

Stability: Stable.

Conditions To Avoid: None.

Incompatibility: Strong acids.

Hazardous Decomposition Products: Neutralization reaction will occur if exposed to acidic materials.

Burning may result in formation of carbon monoxide when heated to decomposition.

Hazardous Polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION

Eyes: Moderate irritant.

Skin: Slight irritant, especially from prolonged exposure. May cause redness, drying and cracking.

Ingestion: Moderate irritant. May cause nausea, abdominal discomfort, vomiting and diarrhea.

Inhalation: May cause irritation of nasal mucous membranes.

Subchronic Effects: None known.

Chronic Effects: None known.

12. ECOLOGICAL INFORMATION

Drift or runoff may adversely affect non-target plants. Do not apply directly to water. Do not contaminate water when disposing of equipment wash water.

13. DISPOSAL CONSIDERATION

Dispose of in accordance with local regulation. Do not dump into sewers or into any body of water. Do not reuse container. Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration or if allowed by State and local authorities, by burning. If burned, stay out of smoke. Do not contaminate water, food or feed by storage or disposal.

14. TRANSPORT INFORMATION

UN. No.: Not allocated

UN proper shipping name: Not regulated as dangerous goods

UN classification: Not allocated

Packing Group: Not allocated

15. REGULATORY INFORMATION

Follow all local and international laws and regulations.

16. OTHER INFORMATION

This MSDS summarizes our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this MSDS and consider the information in the context of the how the product will be handled and used in the workplace including in conjunction with other products.

If clarification or further information is needed to ensure that an appropriate risk assessment can be made the user should contact the company.

-- END OF MSDS --