

GRUPO BIOQUIMICO MEXICANO, S.A. DE C.V.  
BLVD. JESUS VALDEZ SANCHEZ #2369  
SALTILLO, COAHUILA MX 25290

EMERGENCY PHONE: (8444) 15-21-31, 16-17-17, 15-08-84, 16-17-78

REVISED DATE: 11-03-03

**1. INGREDIENTS:**

**GUARANTEED ANALYSIS**

**PERCENTAGE BY WEIGHT**

Fulvic Organic Complex 25.00 %

CHEMICAL FAMILY: Humic Substances

FORMULA: Organic complex with molecular weights between 3,000 and 20,000

SHIPPING DOT: None Regulated

CLASSIFICATION DOT: None Regulated

LABELING: Not applicable

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**2. PHYSICAL AND CHEMICAL DATA:**

BOILING POINT: 98 - 100°C  
FREEZING POINT: 4 - 6 °C  
VAPOR PRESSURE: 17.5 mm of Hg  
VAPOR DENSITY: 1  
SOLUBILITY IN WATER: Miscible  
EVAPORATION RATE: 1  
% VOLATILES IN VOLUME: 70  
SPECIFIC GRAVITY: 1.19 - 1.20  
pH of 1% SOLUTION IN WATER: 7 - 8  
APPEARANCE: Dark brown liquid  
ODOR: Slight characteristically odor

**3. FIRE AND EXPLOSION HAZARD DATA:**

FLASH POINT: N/A  
EXTINGUISHING MEDIA: Dry chemical, carbon dioxide, water, and foam.  
SPECIAL FIRE FIGHTING PROCEDURES: Use personal fire fighting protection equipment; if possible, remove containers from fire and apply water to the sides of the containers exposed to the flames.  
UNUSUAL EXPLOSION OR FIRE HAZARDS: None Hazardous

**4. TOXICOLOGICAL CHARACTERISTICS OF ACTIVE INGREDIENT:**

ACUTE TOXICITY ORAL: Rat LD 50: More than 10,000 mg/Kg  
DERMAL: Rabbit LD 50: More than 5,000 mg/Kg  
PRIMARY EYE IRRITATION: Moderate irritation  
PRIMARY SKIN IRRITATION: Slight irritation

**5. REACTIVITY DATA:**

This product is alkaline and for that reason is incompatible with acid substances. It is thermally stable. It is hygroscopic. There are no dangerous decomposition products.

**6. ENVIRONMENTAL AND DISPOSAL INFORMATION:****ACTION TO TAKE FOR SPILLS/LEAKS:**

Restrict access and remove onlookers. Do not touch or walk on spilled material. Pick up for re-use if possible. Add to the remainder an absorbent material such as sawdust, sand, or soil. Pick up mixture and place it in containers in which it can be disposed of. If the absorbent material used is sand or soil it can then be incorporated into agricultural soils.

**PRODUCT DISPOSAL:** Excess product that cannot be used according to label instructions must be disposed of according to applicable federal, state or local procedures.

**CONTAINER DISPOSAL:** **PLASTIC CONTAINERS:** Triple rinse (or equivalent). Then offer for recycling or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke. **METAL CONTAINER:** Triple rinse (or equivalent); then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state or local authorities. **PLASTIC BAGS:** 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.

**7. HEALTH HAZARD DATA:**

**EYE:** May cause eye moderate irritation.

**SKIN CONTACT:** May cause skin irritation. May cause allergic skin reaction in some individuals.

**INGESTION:** May cause nausea, vomiting, diarrhea, gastric distress, and somnolence.

**INHALATION:** Avoid breathing spray mist. Inhalation at high concentrations can cause irritation of the upper respiratory tract.

**SYSTEMIC & OTHER EFFECTS:** See "Ingestion" above.

**8. FIRST AID:**

**EYES:** Wash eyes immediately with fresh water for at least 15 minutes and see a doctor.

**SKIN:** Wash skin thoroughly with soap and water. If irritation persists, see a doctor.

**INGESTION:** Immediately dilute material by administering large quantities of water. Induce vomiting by giving a tablespoon of salt in water and touching the back of throat with finger. Repeat until vomiting is over or vomit is clear. Do not induce vomiting on an unconscious person.

**INHALATION:** If respiratory irritation or any signs or symptoms occur, move the person to fresh air. Remove subjects from affected area and seek medical help if there is difficulty breathing. If breathing has stopped, give mouth-to-mouth resuscitation. If any of these effects continue, see a doctor.

## **9. ADDITIONAL INFORMATION:**

Practice reasonable care and caution. Avoid breathing mist if generated. Read and understand the product label before using this product. Avoid contact with eyes and skin. Do not ingest this product.

- Do not eat or smoke while using this product.
- Keep out of the reach of children and animals.
- Wash with plenty of soap and water after using this product.

## **10. INFORMATION ON SPECIAL PROTECTION:**

**RESPIRATORY PROTECTION:** Use a safety mask to avoid dust inhalation.

**EYE PROTECTION:** Use safety goggles or safety eyewear.

**PROTECTION EQUIPMENT:** Use safety goggles, gloves, overalls, and rubber boots when applying this material.

## **11. GENERAL FIRE-FIGHTING PROCEDURES:**

Use normal fire-fighting techniques using water, fire retardant powders, foam, carbon dioxide, etc. as fire suffocating agents.

### **FIRE DEPARTMENT PREPLANNING:**

#### **A. PROVIDE FOR THE PROTECTION OF EMPLOYEES AND LOCAL RESIDENTS:**

1. Evacuate residents who are downwind of fire.
2. Prevent unauthorized entry to fire area.
3. Have medical check up on employees exposed to fumes.

#### **B. NOTIFY LOCAL FIRE AUTHORITIES THAT FIREMEN SHOULD:**

1. Wear protective clothing over the entire body including rubber boots, gloves, hat, and coat and avoid contact with toxic fumes or smoke. Self-contained breathing equipment (air packs) is essential for those exposed to fumes or smoke.
2. Be immediately relieved from duty and checked for possible poisoning if exposed to fumes or smoke without adequate protection.
3. Wash thoroughly and immediately with large volumes of soap and water if exposed. A physician should examine any personal heavily exposed.
4. Be alert for symptoms of exposure during fire. Symptoms may include headaches, giddiness, blurred vision, coughing, and tightness of chest, salivation, and twitching or pinpoint eye pupils.
5. Avoid smoking, drinking, and eating while fire fighting so as not to ingest toxic substances.
6. Monitor any water runoff. Dike surrounding area.

## **12. STORAGE**

This material is hygroscopic so it should be stored in a closed container when not in use. Store in a cool, dry, well-ventilated environment.

### **NOTICE:**

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