

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

EMERGENCY PHONE: (8444) 15-21-31, 16-17-77, 15-08-84, and 16-17-78

REVISED DATE: 11-03-03

**1. INGREDIENTS:**

<b>GUARANTEED ANALYSIS</b>	<b>PERCENTAGE BY WEIGHT</b>
Magnesium (Mg) .....	0.50%
Sulfur (S) .....	1.00%
Boron (B).....	0.08%
Iron (Fe).....	0.46%
Manganese (Mn).....	0.12%
Zinc (Zn).....	0.37%

**2. PRODUCT COMPONENTS:**

Natural Plant Extracts..... 78.87%  
Derived from: magnesium, sulfate, ferrous sulfate, manganese sulfate, zinc sulfate and boric acid.

**3. PHYSICAL DATA:**

APPEARANCE:	Brown Liquid
ODOR:	Aromatic
BOILING POINT (°C):	195° F (91°C)
SOLUBILITY IN WATER:	Miscible
VAPOR PRESSURE (mm Hg):	17.5 mm Hg
VAPOR DENSITY (AIR =1):	1
SPECIFIC GRAVITY:	1.15
pH:	3.0 – 4.5

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

FLASH POINT: Not applicable  
FLAMMABLE LIMITS: Not applicable  
EXTINGUISHING MEDIA: Dry chemical, carbon dioxide, foam, water spray or foam.

**5. REACTIVITY INFORMATION:**

STABILITY: Sensible to temperature  
CONDITIONS TO AVOID: Intense Heat  
INCOMPATIBILITY: Alkaline Substance, acids and strong oxidizers  
HAZARDOUS DECOMPOSITION: Not known  
HAZARDOUS POLYMERIZATION: Will not occur  
CONDITION TO AVOID: None

**6. 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 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 and 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.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None

NFPA HAZARD RATING:

0	Least	HEALTH	1
1	Slight	FLAMMABILITY	1
2	Moderate	REACTIVITY	0
3	High		
4	Severe		

#### **7. ENVIRONMENTAL AND DISPOSAL INFORMATION:**

**ACTION TO TAKE FOR SPILLS/LEAKS:** Restrict the access and move back the viewers contain the spill by decking with dirt, sand or other absorbent material. Rope off contaminated area; vacuum, scoop or sweep up wastes and place in container for reuse or disposal; wash spill area with water. Workers performing clean up duties should wear protective clothing.

**WASTE DIPOSAL METHOD:** Do not touch or walk on spilled material. Pick up for re-use if possible. Add to remainder an absorbent material such as sawdust, sand or soil. Pick up mixture and place 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.

---

---

**8. SPECIAL PRECAUTIONS:**

**HANDLING AND STORAGE:** Store in a cool, dry place away from children and domestic animals.

Do not contaminate other stored products or the storage area by handling or storage of this product.

Immediately clean up any spills that occur during handling or storage.

Protect from freezing.

Do not contaminate water supplies by handling or storage of product, cleaning of equipment or disposal of wastes.

Keep work and storage areas clean.

Read and follow precautionary measures on product label.

**9. SPECIAL PROTECTION INFORMATION:**

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

**SKIN PROTECTION:** Wear rubber gloves and normal working clothing.

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

**SPECIAL PROTECTION:** Do not store in metallic containers except stainless steel Containers. Do not store containers without a label or not properly labeled containers. Maintain containers closed when not in use.

Avoid contact with eyes, skin and clothes.

Do not swallow the product.

Do not eat, drink or smoke when using or handling the product.

**10. TRANSPORTATION INFORMATION:**

US DOT HAZARD CODE: Non-regulated.

PLACARD: N/A

UN PROPER SHIPPING NAME: N/A

UN CLASS: N/A

UN NUMBER: N/A

TASCA NUMBER: N/A

PACKING GROUP: N/A

LABEL: N/A

**11. HEALTH HAZARD DATA:**

**TOXICITY DATA:**

Not toxic and not irritant

**EFFECTS OF OVEREXPOSURE:**

**EYES:** May cause moderate irritation, pain and temporal redness.

**SKIN:** Repeated and/or prolonged contact may cause slight irritation in some individuals, stain skin.

**INHALATION:** The prolonged exposition to product may cause pneumonitis, lung striations, and nodulations in lung tissue and silicosis.

**INGESTION:** The product toxicity is low, but ingestion may cause in sensible individuals digestive tract irritation, abdominal cramps, nausea, and vomit.

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:** Emphysema and other lung illness.

**POTENTIAL CARCINOGEN STATUS:** None of the components in this product is listed by IARC, NTP or OSHA as a carcinogen.

**FIRST AID:**

**EYES:** Wash eyes immediately with fresh water for at least 15 minutes. If irritation persists, see a doctor.

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

**INGESTION:** Induce vomiting by giving a tablespoon of salt in water and touching the back of throat with finger. Repeat until vomiting is over. Do not induce vomiting on an unconscious person.

**NOTICE:**

The statements made on this MSDS are believed to be true and accurate, but because of conditions of use which are beyond our control, GRUPO BIOQUIMICO MEXICANO, S.A. DE C.V. does not make, nor does it authorize any agent or representative to make, any warranty, guarantee or representation, expressed or implied, concerning this material or the use thereof. Neither GRUPO BIOQUIMICO MEXICANO, S.A. DE C.V. nor the seller shall be held responsible in any manner for any personal injury or property damage or loss resulting to the buyer or to the other person from handling, storage or use of this material, not in accordance with directions. The buyer assumes all risk and liability resulting from improper handling, storage or use and accepts and uses this material on these conditions.

