



PO BOX 16458 • FRESNO CA 93755

# MATERIAL SAFETY DATA SHEET

PRODUCT/TRADE NAME:

**FOLI-GRO 434 5-0-0**

## I. NAME

PRODUCT/TRADE NAME: FOLI-GRO 434 5-0-0  
EPA REGISTRATION #: None  
CHEMICAL NAME/COMMON NAME:  
Zinc Sulfate/Zinc Sulfate  
Ferrous Sulfate/Iron sulfate

## II. HAZARDOUS INGREDIENTS

	CAS#	OSHA PEL	ACGIH TLV
Zinc Sulfate	733-02-0	NE	NE
Iron Sulfate	7720-78-7	1 mg/m <sup>3</sup>	1 mg/m <sup>3</sup>

## III. PHYSICAL DATA

SPECIFIC GRAVITY (H<sub>2</sub>O = 1): 1.32  
MELTING POINT: NA  
VAPOR DENSITY (AIR = 1): NE  
% VOLATILES BY VOL.: NE  
ODOR: Odorless  
APPEARANCE: Green Liquid  
FLASH POINT/METHOD: NA  
VAPOR PRESSURE (mmHg): NE  
SOLUBILITY IN H<sub>2</sub>O: Soluble

## IV. FIRE & EXPLOSION HAZARD

EXTINGUISHING MEDIA:  Water Fog  Foam  Alcohol Foam  
 CO<sub>2</sub>  Dry Chemical  Other  
FIRE FIGHTING PRECAUTIONS & HAZARDS:  
Fight fire upwind. Wear positive pressure self-contained breathing apparatus and full protective equipment. Avoid breathing smoke or mist. Avoid fallout and runoff. Dike to prevent entering drains, sewers, or water courses. Evacuate people downwind from fire.

## V. CARCINOGEN STATUS

OSHA  NTP  IARC  No Listing Type

## VI. REACTIVITY

Stable  Unstable HAZARDOUS POLYMERIZATION  
 May Occur  Will Not Occur  
AVOID: Aluminum, steel  
HAZARDOUS DECOMPOSITION PRODUCTS: CO<sub>x</sub>, NH<sub>3</sub>, SO<sub>x</sub>

## VII. SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE OF SPILL: Wear appropriate personal and respiratory protective equipment. Absorb with inert material and vacuum or sweep into disposal container.  
DECONTAMINATION: Treat spill area with detergent and water. Absorb with inert material and place in disposal container. Repeat as necessary until area is clean.  
ENVIRONMENTAL HAZARDS: Dike to prevent entering drains, sewers or water courses.  
DISPOSAL: Dispose of in accordance with Federal, state and local regulations.

## VIII. HEALTH PRECAUTION DATA

INGESTION: Do not ingest. Wash thoroughly before eating, drinking or smoking. May be irritating to the mouth, throat, stomach and esophagus.  
INHALATION: No PEL/TLV established for this product. PEL/TLV for Iron Sulfate is 1 mg/m<sup>3</sup>. Do not breathe spray mist. Use proper respiratory protection for the exposures encountered.  
SKIN ABSORPTION: May cause skin irritation. Avoid contact with skin. Wear proper personal protective equipment to reduce skin exposure.  
EYE EXPOSURE: Keep out of eyes. Can cause eye irritation. Wear proper eye protection to reduce splash exposure. If exposed, flush eyes for a minimum of 15 minutes with water.  
EFFECTS OF OVEREXPOSURE: can cause skin and eye irritation. Ingestion can cause violent vomiting and diarrhea. Symptoms of overexposure can include mask-like facial expression, spastic gait, tremors, slurred speech, fatigue and insomnia. No known chronic effects. Preexisting medical conditions involving the above symptoms may be aggravated by exposure.

FIRST AID: In all cases, get prompt medical attention. If ingested, give several glasses of water and induce vomiting. Do not induce vomiting if person is unconscious. For skin exposure, remove contaminated clothing and wash with soap and water. For eye exposure, flush eyes with water for a minimum of 15 minutes. If inhaled, remove victim to fresh air, and administer CPR if necessary.

## IX. SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: Recommend use of NIOSH/MSHA - approved respirator for organic vapors up to 10 times the PEL/TLV. Positive pressure self-contained breathing apparatus should be used for confined space entry and high exposure operations.  
PERSONAL PROTECTIVE EQUIPMENT: Neoprene or rubber gloves, long-sleeved coveralls and chemical goggles.  
VENTILATION: General ventilation sufficient for intended use.

## X. SPECIAL PRECAUTIONS

Keep out of the reach of children. Read and follow all label instructions. Do not store in steel or aluminum tanks.

## XI. REGULATORY DATA

SARA HAZARD CLASS:  Acute  Chronic  Flammable  
 Pressure  Reactive  None

SARA 313:  Yes  No Chemical: Zinc Compounds

SARA 302:  Yes  No Chemical:

TPQ:

CERCLA:  Yes  No Chemical: Ferrous Sulfate, Zinc Sulfate

RQ: 1000\*, 1000\*

RCRA:  Yes  No

NFPA HAZARD RATING:

Health: [1]

Fire: [1]

Reactivity: [0]

Special: [ ]

HMS CODES:

Health: [1]

Fire: [1]

Reactivity: [0]

NFPA HAZARD RATING SCALE:

0 = Minimal 3 = Serious

1 = Slight 4 = Severe

2 = Moderate

HMS HAZARD RATING SCALE:

0 = Minimal 3 = Serious

1 = Slight 4 = Severe

2 = Moderate

DATE PREPARED: April 28, 2004

REVISED DATE:

Notice: This information was developed from information on the constituent materials. No warranty is expressed or implied regarding the completeness or continuing accuracy of the information contained herein, and Wilbur-Ellis disclaims all liability for reliance thereon. The user should satisfy himself that he has all current data relevant to his particular use.

\*Technical Material NE - Not Established NA - Not Applicable

**24 Hour Emergency Phone Number**  
**CHEMTREC: (800) 424-9300**

