

# MATERIAL SAFETY DATA SHEET

## FOLI-GRO Iron 5%

### I. NAME

PRODUCT/TRADE NAME: FOLI-GRO IRON 5%  
EPA REGISTRATION #: NONE  
CHEMICAL NAME/COMMON NAME:  
Ferrous Sulfate Heptahydrate/Ferrous Sulfate

### II. HAZARDOUS INGREDIENTS

	CAS#	OSHA PEL	ACGIH TLV
Ferrous 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): 1.15  
MELTING POINT: NA  
VAPOR DENSITY (AIR = 1): NA  
% VOLATILES BY VOL.: NA  
ODOR: Metallic  
APPEARANCE: Green-Brown Liquid  
FLASH POINT/METHOD: NA  
VAPOR PRESSURE (mmHg): NA  
SOLUBILITY IN H<sub>2</sub>O: Miscible

### 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  HAZARDOUS POLYMERIZATION  
 Unstable  May Occur  Will Not Occur  
AVOID: Acids, steel and moisture  
HAZARDOUS DECOMPOSITION PRODUCTS: CO<sub>x</sub>, SO<sub>x</sub>

### VII. SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE OF SPILL: Wear appropriate personal protective equipment. Absorb with inert material and vacuum or sweep into an approved disposal container.

DECONTAMINATION: Treat area with detergent and water. Absorb with inert material. Place in disposal container and 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: Acute oral LD<sub>50</sub> Ferrous Sulfate 1389 mg/kg (SAX\*). Do not ingest. Wash thoroughly before eating, drinking or smoking.

INHALATION: PEL/TLV 1 mg/m<sup>3</sup>. Can irritate the respiratory tract. Wear appropriate respiratory protection for exposures above the PEL/TLV.

SKIN ABSORPTION: Can cause skin irritation. Wear proper personal protective equipment to reduce skin exposure.

EYE EXPOSURE: Keep out of eyes. Can cause eye irritation. Wear proper eye protection. If exposed, flush eyes for a minimum of 15 minutes with water.

EFFECTS OF OVEREXPOSURE: Can cause skin, eye, respiratory tract and gastrointestinal tract irritation. Overexposure may include vomiting, gastrointestinal disturbances and diarrhea. 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 contact, 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 for the exposures 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:

SARA 302:  Yes  No Chemical:

TPQ:

CERCLA:  Yes  No Chemical: Ferrous Sulfate

RQ: 1000\*

RCRA:  Yes  No

#### NFPA HAZARD RATING:

Health: [1]

Fire: [1]

Reactivity: [0]

Special: [ ]

#### HMIS CODES:

Health: [1]

Fire: [1]

Reactivity: [0]

#### NFPA HAZARD RATING SCALE

0 = Minimal 3 = Serious

1 = Slight 4 = Severe

2 = Moderate

#### HMIS HAZARD RATING SCALE

0 = Minimal 3 = Serious

1 = Slight 4 = Severe

2 = Moderate

DATE PREPARED: August 19, 1985

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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**

