

Material Safety Data Sheet  
May be used to comply with  
OSHA's Hazard Communication Standard,  
29 CFR 1910.1200. Standard must be consulted  
for specific requirements.

U.S Department of Labor  
Occupational Safety and Health Administration  
(Non-Mandatory Form)  
Form Approved  
OMB No. 1218-0072

IDENTITY (As Used on Label and List)

## Bonide Iron Sulfate

**ID #**

Date: April 4, 2001

### Section I

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Bonide Products, Inc.	(800) 424-9300
6301 Sutliff Road	(315) 736-8231
Oriskany, NY 13424	

### Section II - Hazardous Ingredients/Identity

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Hazardous Components (Specific Chemical Identity: Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits	% (Optional)
Ironmonosulfate (cas# 17375-41-6)	15 mg/m <sup>3</sup> 5 mg/m <sup>3</sup>	10mg/m <sup>3</sup>		
Limestone (cas# 1317-65-3)	15 mg/m <sup>3</sup> 5 mg/m <sup>3</sup>	10mg/m <sup>3</sup>		

### Section III - Physical/Chemical Ingredients

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BOILING POINT: NA	ph: NA
SPECIFIC GRAVITY: NA	DENSITY: NA
VAPOR PRESSURE: NA	
VAPOR DENSITY: NA	
SOLUBILITY IN WATER: partially soluble	
EVAPORATION RATE: NA	
APPEARANCE AND ODOR: Grey granular mix, with slight odor.	

### Section IV - Fire and Explosion Data

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FLASHPOINT: Not flammable      FLAMMABLE LIMITS: NA  
EXTINGUISHING MEDIA: Use water or other agent suitable for surrounding fire.  
SPECIAL FIRE FIGHTING PROCEDURES: Wear full protective clothing and self-contained breathing apparatus.  
UNUSUAL FIRE AND EXPLOSION HAZARDS: Decomposition products may be toxic.

### Section V - Reactivity Data

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CONDITIONS TO AVOID: Excessive Heat (greater than 200°F); contact with acids.  
INCOMPATIBILITY: Acids, oxidizers, alkalis.  
HAZARDOUS DECOMPOSITION PRODUCTS: SO<sub>x</sub>, CO<sub>2</sub>  
Product is stable and hazardous polymerization will not occur. May release ammonia on standing.

### Section VI - Personal Protection Information

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RESPIRATORY PROTECTION: NIOSH-approved particle respirators, if required.  
EYE PROTECTION: Safety glasses with side shields, goggles, or face shield are recommended.  
SKIN PROTECTION: Long sleeves, cotton gloves  
VENTILATION: Local exhaust ventilation preferred

## Section VII - Health Hazard Information

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**HEALTH HAZARDS:** Dust may be irritating to the nose, throat, and respiratory tract, and may cause sore throat coughing and shortness of breath. Skin irritation may result. Dust may also be irritating to the eyes, causing redness and watering. Prolonged eye exposure may cause conjunctivitis and corneal damage. Ingestion may result in gastrointestinal tract irritation and abdominal pain.

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:** Asthma; dermatitis; conjunctivitis; stomach or digestive problems.

**FIRST AID PROCEDURES:** **IF SWALLOWED:** If victim is alert and not convulsing, give one glass of water to dilute material. **DO NOT** induce vomiting. Seek medical attention. **IF INHALED:** Move victim to fresh air. Seek medical attention if irritation persists. **IF IN EYES:** Immediately flush with water for at least 20 minutes. Seek medical attention if irritation persists. **IF ON SKIN:** Wash affected areas with soap and water. Seek medical attention if irritation persists.

**CARCINOGENICITY:** none of the ingredients are known/listed carcinogens.

## Section VIII - Precautions for Safe Handling/Use

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**SPILL/RELEASE PROCEDURES:** Collect spilled product and store to re-use. Contaminated product and/or environmental media should be recovered and disposed of properly.

**WASTE DISPOSAL METHOD:** Dispose in accordance with all federal, state, and local regulations. Reuse recovered product where possible.

**HANDLING/STORING PRECAUTIONS:** Store in a cool, dry, well ventilated area.

**NOTICE:** This information is believed to be accurate and reliable. However, no guarantee expressed or implied is made with respect to the information contained herein.

**KEEP OUT OF REACH OF CHILDREN**

### ABBREVIATION KEY

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N/A: NOT AVAILABLE OR APPLICABLE      N/E: NOT ESTABLISHED      ND: Not Determined  
TLV: THRESHOLD LIMIT VALUE      TWA: TIME WEIGHTED AVG./8 HOUR WORKDAY  
STEL: SHORT TERM EXPOSURE LIMIT      D.O.T.: DEPARTMENT OF TRANSPORTATION

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