

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: InteGro Magnetic Sulfur Dust

MSDS NUMBER:

PRODUCT CODE:

MSDS DATE: 12/06/2005

KEY NUMBER:

EMERGENCY PHONE #'s: CHEMTREC 800-424-9300

InteGro Magnetic Sulfur Dust InteGro INC. P.O. Box 156, Helm, CA 93627 Prepared by Tim Brown	HEALTH	1	Slightly Hazardous	
	FIRE	2	Flash Point: Below 200°F, 93°C	
	REACTIVITY	0	Stable	
	SPECIFIC			-

1. IDENTIFICATION See Addendum: Ref. PAGE:

Chemical Name: Sulfur
Chemical Family:
CAS #: 7704-34-9 **Chemical Formula:** S
CAS Name: Sulfur **Molecular Weight:** 32.064
Synonyms / Common Name: Dusting Sulfur
DOT Information: Exempt in 50 lb bags from DOT regulations

2. PHYSICAL DATA See Addendum: Ref. PAGE:

<p>Appearance: Color: Yellow State: Powder Odor Characteristics: Sulfur pH: Not applicable Viscosity: Not applicable Specific Gravity (Water = 1): Not applicable Vapor Density (Air = 1): Not applicable Vapor Pressure: Not applicable</p>	<p>Melting Point: 246 Deg. F Boiling Point: Not applicable Flash Point: 374 Deg. F Freezing Point: Not applicable Percent Volatility: Not applicable Evaporation Rate (BAC = 1): Not applicable Solubility in Water: Insoluble Solubility in Oil: Not applicable Solubility in Acetone: Not applicable</p>
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3. INGREDIENTS - HAZARDOUS See Addendum: Ref. PAGE:

Material / Components	CAS #:	CAS Name	TLV Units	Approx. %
Sulfur	7704-34-9		NE	98 %
Inerts				2 %

4. FIRE AND EXPLOSION HAZARD DATA See Addendum: Ref. PAGE:

Flash Point: 374 Deg. F (Dust) **Flammable Limits in Air % by volume:** Lower 35 mg/l Dust in air, Upper 1400 mg/l Dust in air

Extinguishing Media: Water Fog.

Special Fire Fighting Procedures: Fight fire upwind. Wear positive pressure self-contained breathing apparatus and full personal protective equipment. Avoid solid streams of water which may stir dust clouds or spread fire. Do not breath smoke or spray mist.

Unusual Fire & Explosion Hazards: Combustion of sulfur generates toxic sulfur dioxide which is irritating to the respiratory tract and may cause breathing difficulty and pulmonary edema.

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5. HEALTH HAZARD DATA

See Addendum:

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Threshold Limit Value:

Effects of Overexposure:

Inhalation: Will cause breathing problems - shortness of breath and coughing.

Skin Contact: May cause skin irritation.

Eye Contact: Sulfur will cause eye irritation. Do not rub eyes if exposed.

Ingestion: May cause nausea, vomiting and diarrhea

Delayed Effects: Preexisting conditions involving the above symptoms can be aggravated by exposure.

Medical Conditions Aggravated by Exposure

6. FIRST AID MEASURES

See Addendum:

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Inhalation: Remove victim to fresh air, and administer CPR if necessary. Get Medical attention

Skin Contact: Remove contaminated clothing and wash with soap and water. Get medical attention if rash persists.

Eye Contact: Irrigate eyes a minimum of 15 minutes with water. Get medical attention

Ingestion: If ingested, give several glasses of water and induce vomiting. Never give fluid to an unconscious person. Get medical attention

NOTES TO PHYSICIAN:

7. REACTIVITY DATA

See Addendum:

PAGE #:

Stability: Stable

Incompatibility: Bases, Oxidizers, Powdered carbon.
(materials to avoid)

**Hazardous Combustion or
Decomposition Products** CO_x, SO_x, H₂S

Hazardous Polymerization: Will not occur.

Conditions to Avoid: Bases, Oxidizers, Powdered carbon, open flames.

8. SPILL OR LEAK PROCEDURES

See Addendum:

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**Actions to take for
Leaks & Spills** Do not use flares in area. Wear appropriate eye protection. Control dust with water fog. Sweep into disposal container.

Waste Disposal Method: Dispose of in accordance with federal, state, and local regulations.

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9. SPECIAL PROTECTION INFORMATION

See Addendum: **Ref. PAGE:**

Respiratory Protection: Respiratory protection is required. Use only NIOSH/MSHA approved respiratory protection. Positive pressure self-contained breathing apparatus should be used for confined space entry and high exposures.

Eye Protection: Safety goggles or glasses with side shields and brow protection.

Skin Protection: Chemical resistant gloves and long-sleeved coveralls.

Other Clothing: Long sleeve shirt and pants or coveralls, shoes plus socks.

Other Equipment: Eye wash station should be nearby.

Engineering Controls:

10. HANDLING AND STORAGE

See Addendum: **Ref. PAGE:**

Special Precautions: Keep out of reach of children. Read and follow all label instructions. Sulfur dust can be explosive. Do not allow dust to build up. Keep clear of ignition sources.

Other Precautions: None currently known.

11. REGULATORY INFORMATION

See Addendum: **Ref. PAGE:**

Workplace Classification: Caution

12. TOXICOLOGICAL INFORMATION

See Addendum: **Ref. PAGE:**

Acute Data: Oral toxicity (rat) LD50> 5000 mg/kg

**Reproductive /
Teratology Data** None known

13. ECOLOGICAL INFORMATION

See Addendum: **Ref. PAGE:**

Fate in the Environment: Not known

14. DISPOSAL CONDITIONS

See Addendum: **Ref. PAGE:**

Procedures: Dispose of unrecoverable material in accordance with Federal, State and Local Regulations.

15. TRANSPORTATION INFORMATION

See Addendum: **Ref. PAGE:**

DOT Classification: DOT exempt when sulfur is in 50 lb bags.

Warning Labels:

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