

# MATERIAL SAFETY DATA SHEET

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: **MasterMag**  
General Use: Magnetic  
Product Description: Magnet

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Percent Composition (%)
Strontium Ferrite	12023-91-5	80-95
Chlorinated Polyethylene	64754-90-1	5-20

## 3. HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW:

This product is dark brown-black sheets or strips with no odor. In its manufactured and shipped state, it is considered a non-hazardous product. However, nuisance dust generated from sanding or grinding activities of this product may be irritating to the skin, eyes, mucous membranes, and respiratory tract. In fire situations, this product may release toxic combustion products including dense smoke, oxides or carbon, organic and inorganic materials of unknown composition and toxicity. Wear appropriate personal protective equipment (PPE) and keep unnecessary individuals up wind of the area. Cool products in or near fire with a water spray or fog. Any wastes generated during cleanup operations should be evaluated with respect to hazardous and solid waste regulations and disposed of in accordance with federal, state and local regulations.

### POTENTIAL HEALTH EFFECTS:

This product is considered to be non-hazardous in the manufactured and shipped state. However, sanding or grinding of this product may generate nuisance dusts. The following potential health effects may occur during sanding or grinding of this product.

- **INHALATION:**  
Nuisance dust generated during sanding or grinding of this product may cause upper respiratory tract irritation and/or soreness.
- **EYE CONTACT:**  
Brief eye contact with this product or nuisance dust generated during sanding or grinding of this product may cause slight irritation or inflammation of the eye.
- **SKIN CONTACT:**  
Contact with this product or nuisance dust generated from sanding or grinding of this product may cause skin irritation.
- **INGESTION:**  
This product may be a possible choking hazard if ingested.
- **CHRONIC:**  
Prolonged or repeated exposure to nuisance dust generated during sanding or grinding of this product may cause skin dermatitis or eye conjunctivitis.

## 4. FIRST AID MEASURES:

The following first aid measures are to be followed if over-exposure to nuisance dust occurs from sanding or grinding of this product.

- **INHALATION:**  
Remove to fresh air. If not breathing, give artificial respiration immediately. If breathing is difficult, give oxygen. Get immediate medical attention.
- **EYE CONTACT:**  
Immediately flush eyes with plenty of water for at least 15 minutes. Get immediate medical attention.

- **SKIN CONTACT:**  
If irritation occurs, immediately flush skin with plenty of soap and water. Remove clothing. Get medical attention immediately if irritation persists. Wash contaminated clothing separately before reuse.
- **INGESTION:**  
If product is swallowed, contact a physician immediately for further information. If person is not breathing, get immediate medical attention. Never give anything by mouth to an unconscious person.

## 5. FIRE FIGHTING MEASURES

Flashpoint: Not available  
Flammable Limits: Not available  
Auto ignition Temperature: Not available

- **GENERAL HAZARD:**  
This product may release toxic combustion products including dense smoke, oxides or carbon, organic and inorganic materials of unknown composition and toxicity.
- **FIRE FIGHTING INSTRUCTIONS:**  
Use water, dry chemical or carbon dioxide to extinguish fire.
- **FIRE FIGHTING EQUIPMENT:**  
As in any fire, wear self-contained breathing apparatus pressure-demand (positive pressure), MSHA/NIOSH (approved or equivalent) and full protective gear.
- **HAZARDOUS COMBUSTION PRODUCTS:**  
Carbon monoxide and carbon dioxide.

## 6. ACCIDENTAL RELEASE MEASURES

If reusable, pick up product and return to packing material. If not reusable, dispose of material in accordance with federal, state and local regulations.

## 7. HANDLING AND STORAGE

- **STORAGE TEMPERATURE:**  
Ambient
- **STORAGE PRESSURE:**  
Atmospheric
- **GENERAL:**  
Store in dry area.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### EXPOSURE GUIDELINES:

	OSHA		ACGIH	
	PEL	STEL	TLV	STEL
Strontium Ferrite	NA	NA	NA	NA
Chlorinated Polyethylene	NA	NA	NA	NA
Total Nuisance Dust*	15 mg/m <sup>3</sup>	NA	10 mg/m <sup>3</sup>	NA
Respirable Nuisance Dust*	5 mg/m <sup>3</sup>	NA	3 mg/m <sup>3</sup>	NA

PEL = OSHA's Permissible Exposure Limit; an 8-hour time-weighted average (TWA) unless otherwise noted.

STEL = Short Term Exposure Limit. A 15-minute TWA concentration which should not be exceeded at any time during a workday.  
The duration of a STEL exposure should not be repeated more than 4 times per day, and there should be at least 15 minutes between successive exposures to the STEL.

NA = Not Available

\* = Total Nuisance Dust and Respirable Nuisance Dust are not ingredients of this product. However, sanding or grinding of this product may generate nuisance dusts. In the event nuisance dust is generated, the above PEL's and TLV's must be followed.

### ENGINEERING CONTROLS:

General room ventilation should be maintained. Local exhaust ventilation may be necessary to control any air contaminants to within the PEL's when nuisance dust is being generated from this product due to sanding or grinding operations. The need for local exhaust should be evaluated by a certified industrial hygienist (CIH).

**PERSONAL PROTECTION:**• *RESPIRATOR:*

No respiratory protection equipment is necessary for general handling of this product. If ventilation is inadequate during sanding and grinding operations to maintain airborne contaminants at levels below the PEL, a NIOSH/MSHA approved half-face, air purifying respirator with appropriate cartridge or canister approved for particulate with an exposure limit of not less than 0.05 mg/m<sup>3</sup> should be worn. If personal exposures exceed 10 times the PEL, consult a certified industrial hygienist (CIH) for selection of the proper equipment.

• *PROTECTIVE CLOTHING:*

No personal protective equipment is necessary for general handling of this product. In the event of sanding or grinding of this product, safety glasses with side shield, protective gloves, and protective clothing should be worn when handling this product. Between uses, all personal protective equipment (PPE) should be thoroughly cleaned.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Vapor Pressure:	NA	Vapor Density:	NA
Specific Gravity:	3.6 - 3.8 g/cc		(Air = 1)
Solubility in Water:	NA	Evaporation Rate:	NA
pH:	NA		(n-Butyl Acetate = 1)
Boiling Point:	NA	Freezing Point:	NA
Viscosity:	NA	Physical State:	Solid
Appearance:	Black-brown sheets or strips		

NA = Not Available

**10. STABILITY AND REACTIVITY**• *GENERAL:*

Stable

• *INCOMPATIBLE MATERIALS AND CONDITIONS TO AVOID:*

Mineral acids and strong oxidizers.

• *HAZARDOUS DECOMPOSITION:*

May produce dense smoke, oxides of carbon, and low molecular weight organic or inorganic species.

**11. TOXICOLOGICAL INFORMATION**

This mixture has not been tested for toxicity. Toxicological information on the individual hazardous components of this product may be obtained, if needed, by writing to Tytek Industries, Inc. at the address listed in section 1 of this MSDS.

**12. ECOLOGICAL INFORMATION**

No data available.

**13. DISPOSAL CONSIDERATIONS**

This product is not considered a hazardous waste. Dispose of this material in accordance with federal, state and local regulations at an approved landfill. Observe proper safety and handling precautions.

**14. TRANSPORT INFORMATION**

The product is not currently regulated under Department of Transportation regulations.

**15. REGULATORY INFORMATION**• *REGULATORY COSTANT REPORT*

VOC solvent density (lb/gal):	NA
Product density (lb/gal):	NA
Lb VOC/lb Solid:	NA
Lb VHAP/lb Solid:	NA
Lb VOC/gal:	NA

	% Weight	% Volume
Solids	100	NA
Total Volatiles	0	NA
Water Content (midpoint)	0	NA

- *TSCA (Toxic Substance Control Act):*  
All components listed
- *CERCLA (Comprehensive Response Compensation and Liability Act):*  
No chemicals used in this product are listed in Table 302.4 of 40 CFR part 302.
- *EPCRA (Emergency Planning and Community Right-To-Know Act):*
  - 311/312 Hazard Category Reporting (only during sanding or grinding):  
Immediate (Acute) Health Hazard, Delayed (Chronic) Health Hazard
  - 313 Reportable Ingredients:  
No ingredients listed under SATA Title III, 313
- *RCRA (Resource Conservation and Recovery Act):*  
No components listed.
- *OSHA Hazard Communication Classification:*
  - 29CFR 1910.1200 (only during sanding of grinding):  
Irritant, Eye hazard
- *HMIS Classification Rating:*  
Health - 1  
Fire - 0  
Reactivity - 0

## 16. OTHER INFORMATION

REASON FOR ISSUE: New MSDS

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To the best of our knowledge, the information contained herein is accurate.