

MATERIAL SAFETY DATA SHEET

Product Name/Trade Name:
PLASTALLOY

Manufacturer: THE ELECTRODYNE COMPANY
4188 TAYLOR ROAD
BATAVIA, OHIO 45103

Emergency Telephone No. (513) 732-2822

Person Responsible for Preparation D. B. Kuhn Date Prepared 10/23/02
Signature

SECTION 1) IDENTITY

Common Name (Used on Label): Plastalloy™ Bonded Magnets CAS #
N/A Mixture

Chemical Name: Strontium Ferrite-Rubber Composite Chemical Family: Hexaferrite

Formula: SrFe₁₂O₁₉ & Polymer

SECTION 2) HAZARDOUS INGREDIENTS

Principal Hazardous Components (chemical & common name):	%:	CAS # :	Threshold Limit Value:
Barium Oxide (BaO)	< 0.18%	1304-28-5	500 ug/m ³

Barium compounds are subject to the reporting requirements of Section 313 of title iii of the Superfund Amendment and Reauthorization Act of 1986 (SARA).

SECTION 3) PHYSICAL & CHEMICAL CHARACTERISTICS (FIRE & EXPLOSION DATA)

Boiling Point: Does Not Boil	Specific Gravity (H ₂ O =1): 3.6	Vapor Pressure (mm hg): No Vapors
Percent Volatile by Volume (%): .05	Vapor Density (Air = 1): None	Evaporation Rate (____ = 1): None
Solubility in Water: Insoluble	Reactivity in Water: None	Appearance and Odor: Grey/Brown Flexible Solid No Odor
Flash Point: N/A	Flammable Limits in Air (% by volume): N/A	
Extinguisher Media: H ₂ O, ABC*	Auto-Ignition Temperature N/A	
Special Fire Fighting Procedures: Not Necessary	Unusual Fire and Explosion Hazards: None Known	

*Material will smolder when preheated to 850°F
Dot Rating = 1

SECTION 4) PHYSICAL HAZARDS

Stability:
Stable Under All Conditions

Conditions to Avoid:
None

Incompatibility (Materials to Avoid):
None Known

Hazardous Decomposition Products:
When exposed to excessive heat or open flames, emits acrid fumes and/or smoke.

Hazardous Polymerization:
Will Not Occur

Conditions to Avoid:
Will Not Polymerize

SECTION 5) HEALTH HAZARDS

Threshold Limit Value:
None Known

Signs and Symptoms of Exposure:
1) Acute Overexposure:
None Known

2) Chronic Overexposure:
None Known

** Barium Ferrite meets criteria for proposed OSHA Medical Records Rule.

Chemical Listed As Carcinogen Or Potential Carcinogen:

- NIOSH: No
- National Toxicology Program: No
- I.A.R.C. Monographs: No
- OSHA: No

OSHA Permissible Exposure Limit:
5 mg/m³ based on dust exposure from sanding or grinding.

Emergency and First Aid Procedures:

1. Inhalation: N/A
 2. Eyes: Flush with copious amounts of water.
 3. Skin: Wash with soap and water.
 4. Ingestion: N/A
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SECTION 6) SPECIAL PROTECTION INFORMATION

Respiratory Protection (Specify Type):
Not Known To Be Necessary

Ventilation:
Not Known To Be Necessary

Protective Gloves:
Not Known To Be Necessary

Eye Protection:
Not Known To Be Necessary

Other Protective Clothing or Equipment:
Not Known To Be Necessary

SECTION 7) SPECIAL PRECAUTIONS & SPILL/LEAK PROCEDURES

Precautions To Be Taken In Handling and Storage:
None Known

Other Precautions:
None Known

Steps To Be Taken In Case Material Is Released Or Spilled:
No Special handling. Material may be magnetized.

Waste Disposal Methods:
Usual solids disposal per Federal, State & Local Codes

SECTION 8) TRANSPORT INFORMATION

DOT: Not Regulated.
IATA: May be restricted as magnetized material. See IATA 902.