



Section 1 - Product Name

Product Name: Bonded Injection Molded Samarium Cobalt Magnet

Section 2 - Hazardous Ingredients

Chemical Name: Bonded Injection Molded Samarium Cobalt Magnet

Material/Component(s):

Material or Component	Weight %	CAS No.	ACGUH TLV (mg/m ³)
Samarium(Sm)	20-28	7440-19-9	N/A
Iron(Fe)	14-20	7439-89-6	N/A
Copper(Cu)	5-9	7440-50-8	N/A
Zirconium(Zr)	1-5	7440-67-7	N/A

Section 3 - Physical Characteristics

Vapor Pressure: N/A

Vapor Density: N/A

Specific Gravity: 6.6

Melting Point: 215-225° C

Evaporation Rate: N/A

Odor: N/A

Solubility in Water: Insoluble

Section 4 - Fire and Explosion Hazard Data

Flash Point: N/A

FLAMMABLE LIMITS: N/A

LEL: N/A

UEL: N/A

Extinguishing Media: Dry sand or special powder extinguisher

Special Fire Fighting Procedures: Use a special powder extinguisher, or pour dry sand on the fire to cut off the oxygen supply. Water should be avoided at all costs.

Unusual Fire and Explosion Hazards(s): Flammable



Section 5 - Reactivity Data

Stability: Stable

Conditions to Avoid: No known incompatibilities

Incompatibility (Materials to Avoid): N/A

Hazardous Polymerization: Will not occur

Hazardous Decomposition or Byproducts : N/A

Section 6 - Health Hazard Data

Health Hazards (Acute & Chronic): Allergic skin irritations can occur on contact . Harmful if inhaled -- Irritation of mucous membranes and epithelium of the respiratory organs. Dermal immune response may occur as result of repeated or long term exposure.

Emergency and First Aid Procedures:

Procedure For	Procedure
Skin contact	Wash with soap and plenty of water.
Eye contact	Immediately wash eye thoroughly with clean water for 15 minutes; report abnormalities to a doctor.
Inhalation	Immediately gargle with clean water, and get fresh air; report any abnormalities with your doctor.
Ingestion	Induce vomiting by finger, rinse mouth with clean water; report any abnormalities with a doctor.

Section 7 - Precautions for Safe Handling and Use

Spill Procedure: Not a hazard as a solid compact magnet. Use protective gear. Place spillage into metal can and store in preparation for disposal.

Waste Disposal Method: Observe all federal, state, and local regulations when disposing this material.

Section 8 - Control Measures

Respiratory Protection: N/A

Eye Protection: Safety goggles

Skin Protection: Protective Gloves

Ventilation: Mechanical (General)

Work / Hygienic Practices: N/A

