



Section 1 - Product Name

Product Name: Magnequench Crushed Ribbon

Section 2 - Hazardous Ingredients

Chemical Name: Iron Alloy

Material/Component(s):

| Material or Component | Weight % | CAS No. | ACGUH TLV (mg/m ³) |
|-----------------------|----------|-----------|--------------------------------|
| Neodymium | 25-32 | 007440008 | N/A |
| Boron | 1 | 007440428 | N/A |
| Iron | >40 | 007439896 | N/A |
| Cobalt | <20 | 007440484 | N/A |

Section 3 - Physical Characteristics

Vapor Pressure: N/A

Vapor Density: N/A

Specific Gravity: 7.55

Melting Point: N/A

Evaporation Rate: N/A

Odor: N/A

Solubility in Water: Neg.

Section 4 - Fire and Explosion Hazard Data

Flash Point: N/A

FLAMMABLE LIMITS: N/A

LEL: of whirled dust: 165MG/M3

UEL: N/A

Extinguishing Media: N/A

Special Fire Fighting Procedures: Cover with sand, NA-X, or Lith-X. Do not use water, CO2, Halo

Unusual Fire and Explosion Hazards(s): 200 mesh powder rated as a weak explosive hazard when suspended in air with ignition at 959 F. Avoid suspending fine powder in air, as it may ignite if an ignition source is present. Probably will react with water and release hydrogen.



Section 5 - Reactivity Data

Stability: Stable

Conditions to Avoid: N/A

Incompatibility (Materials to Avoid): Strong oxidizing agents. Strong acids, and strong bases.

Hazardous Polymerization: N/A

Hazardous Decomposition or Byproducts : Irritating dust. Hydrogen may be liberated when water or moisture reacts with fine powder.

Section 6 - Health Hazard Data

Health Hazards (Acute & Chronic): Dust irritation. Cobalt metal dust can cause dermatitis and possible skin dermatitis and possible skin sensitization. Eye contact may produce conjunctivitis. Inhalation may produce irritation and respiratory tract sensitization with asthma- like symptoms, including cough, dyspnea, chest tightness, and wheezing. Pneumoconiosis has been associated with overexposure to cobalt dust. Ingestion may produce vomiting, diarrhea, loss of appetite, and nausea. Possible cardiotoxicity in hypothyroidism

Emergency and First Aid Procedures:

| Procedure For | Procedure |
|---------------|--|
| Eyes | Wash with soap and water. Flush dust from eyes with water. |

Section 7 - Precautions for Safe Handling and Use

Spill Procedure: Sweep up

Waste Disposal Method: Usual solids disposal per Federal, State, and local codes.

Section 8 - Control Measures

Respiratory Protection: NIOSH approved dust mask.

Eye Protection: Protect from dust.

Skin Protection: Wear impervious gloves for powder handling.

Ventilation: N/A

Work / Hygienic Practices: N/A