



Section 1 - Product Name

Product Name: Alnico Powder or Grinding Swarf

Section 2 - Hazardous Ingredients

Chemical Name: Aluminum

Material/Component(s):

Material or Component	Weight %	CAS No.	ACGUH TLV (mg/m ³)
Aluminum	6-13%	7429-90-5	10 mg/m ³
Iron(oxide fume)	34-56%	1309-37-1	1 mg/m ³
Copper(dust)	1-7%	7440-50-8	0.1 mg/m ³
Nickel	12-29%	7440-02-0	5 mg/m ³
Cobalt	1-40%	7440-48-4	1 mg/m ³
Titanium	0-8%	N/A	N/A
Niobium	0-2%	N/A	N/A

Section 3 - Physical Characteristics

Vapor Pressure: N/A

Vapor Density: (Air = 1) - N/A

Specific Gravity: 6.9-7.4

Melting Point: 1,600° C

Evaporation Rate: (Butyl Acetate = 1) N/A

Odor: No odor

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: N/A

Special Fire Fighting Procedures: N/A

Unusual Fire and Explosion Hazards(s): May occur in case of dry, fine grained dust in air.

Section 5 - Reactivity Data

Stability: Stable

Conditions to Avoid: N/A

Incompatibility (Materials to Avoid): Strong acids

Section 6 - Health Hazard Data

Health Hazards (Acute & Chronic): Unknown

Emergency and First Aid Procedures:

Procedure For	Procedure
Eyes	Flush with running water for fifteen minutes, including under eyelids
Inhalation	Remove to fresh air
Skin	Brush off powder; wash well with soap and water

Section 7 - Precautions for Safe Handling and Use

Spill Procedure: Pick up powder/dust products. Prevent dusty conditions.

Waste Disposal Method: Recycle scrap metal or metal powders.

Section 8 - Control Measures

Respiratory Protection: NIOSH approved for particulate (fume, dust, mist)

Eye Protection: Protective goggles are recommended because of the materials tendency to chip and break.

Skin Protection: Protective Gloves - Cloth

Ventilation: General

Work / Hygienic Practices: Follow good industrial hygiene and housekeeping practices.