



## 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 <sup>3</sup> )
Aluminum	6-13%	7429-90-5	10 mg/m <sup>3</sup>
Iron(oxide fume)	34-56%	1309-37-1	1 mg/m <sup>3</sup>
Copper(dust)	1-7%	7440-50-8	0.1 mg/m <sup>3</sup>
Nickel	12-29%	7440-02-0	5 mg/m <sup>3</sup>
Cobalt	1-40%	7440-48-4	1 mg/m <sup>3</sup>
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.