

# IDENTITY: Iron fillings

## Section I – Manufacturer Information

Belmont Metals Inc.  
330 Belmont Avenue  
Brooklyn, NY 11207

Telephone Number for Information:  
(718) 342-4900  
Date Prepared: October 3, 1991

**EMERGENCY NUMBER: (800) 424-9300 (Chemtrec)**

## Section II – Hazard Ingredients/Identity Information

Aluminum  
Alomina  
Antimony  
Arsenic  
Beryllium  
Bismuth  
Boron  
Boron oxide  
Cadmium  
Calcium  
Chromium  
Cobalt  
Columbium  
Copper  
Indium  
Iron  
Iron oxide  
Lead  
Lithium  
Magnesium  
Magnesium oxide  
Manganese  
Mercury  
Molybdenum  
Nickel  
Phosphorus  
Selenium  
Silicon  
Silver  
Tellurium  
Tin  
Titanium  
Titanium Dioxide  
Zinc  
Zinc oxide

## Zirconium

### Section III – Physical/Chemical Characteristics

Boiling Point: See Section II

Vapor Pressure: N/A

Vapor Density: N/A

Specific Gravity: See Section II

Melting Point: See Section II

Evaporation Rate: N/A

Solubility in Water: Insoluble

Appearance and Odor: Yellow with no odor

### Section IV – Fire and Explosion Hazard Data

Flash Point (Method Used): N/A

LEL: N/A

Flammable Limits: N/A

UEL: N/A

Extinguishing Media:

Special Fire Fighting Procedures: Solid, massive form is non combustible.

Unusual Fire and Explosion Hazards: Fire and explosion hazards are moderate when material is in the form of dust and exposed to heat, flames, chemical reaction, or contact with powerful oxidizers. Use special mixtures of dry chemical or sand. Firefighters should wear self-contained breathing apparatus and protective clothing.

### Section V – Reactivity Data

Stable or Unstable? Stable

Conditions to Avoid: Molten metal may react violently with water.

Incompatibility (Materials to Avoid): Acids, bases, and oxidizers.

Hazardous Decomposition or Byproducts: Metal fume

Hazardous Polymerization May Occur or Will Not Occur? Will Not Occur

Conditions to Avoid:

### Section VI – Health Hazard Data

Routes of Entry

Inhalation: Yes

Skin: Yes

Ingestion: Yes

Eye: Yes

Carcinogenicity:

NTP:

IARC Monographs:

OSHA Regulated:

Health Hazards:

Signs and Symptoms of Exposure:

Medical Conditions Generally Aggravated by Exposure: Pre-existing condition of the lungs, diseases of the blood and blood-forming organs, kidneys, nerves and possibly reproductive system.

Emergency and First Aid Procedure:

Inhalation – Move to fresh air. Get medical attention.

Ingestion – Seek medical attention if large quantities of material have been ingested. Check airborne levels of lead and employee blood leads in accordance with OSHA standards.

Skin – Vacuum off excess dust. Wash well with soap and water. Avoid blowing particulate into the atmosphere.

Eyes – Flush well with running water to remove particulate. Get medical attention.

#### Section VII – Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled: No special precautions are necessary for spills of bulk material. If large quantities of dust are spilled, remove by vacuuming or wet sweeping to prevent heavy concentrations of airborne dust. Follow federal, state and local regulations concerning the disposal of waste.

Waste Disposal Method: Dispose of in accordance with local, state and federal regulations. Cleanup personnel should wear respirators and protective clothing.

Precautions to be Taken in Handling and Storing: Store material away from incompatible materials and keep dust from sources of ignition.

Other Precautions:

#### Section VIII – Control Measures

Respiratory Protection: If exposure above the PEL or TLV NIOSH approved respirator for fume or dust, dependent upon the source of airborne contaminant.

Ventilation: Required if dust or fume created in handling or working on this material.

Local Exhaust: Required if dust or fume created in handling or working on this material.

Mechanical: As above to reduce airborne dust or fume levels.

Special:

Other:

Protective Gloves: Required for melt, grind, cut, and weld operations. Select glove approved for the specific operation.

Eye Protection: Required for melt, grind, cut, and weld operations. Minimum requirement of safety glasses with side shields for these operations. Melting and welding may require special eye protection including face shields and specially tinted glass. Grinding operations may also require face shield.

Other Protective Clothing or Equipment: As required

Work/Hygiene Practices: As required for the work done with lead bearing materials. No food may be allowed in the work area. Always wash thoroughly before leaving work area. Shower before leaving the work site and provide special work clothing when necessary. Work clothes must be stored separate from street clothing and be marked for laundering. Meet requirements of the OSHA lead standard when necessary. Always evaluate the jobs done on their product in accordance with OSHA or relevant state, federal, or local stations.

### Section IX – Additional Information

The information provided in this Material Safety Data Sheet represents data from the manufacturer and/or vendor and is accurate to the best of our knowledge. By providing this information, Delta Education LLC makes no guarantee or warranty, expressed or implied, concerning the safe use, storage, handling, precautions, and/or disposal of the products covered or the accuracy of the information contained in this fact sheet. It is the responsibility of the user to comply with local, state, and federal laws and regulations concerning the safe use, storage, handling, precautions, and/or disposal of products covered in this fact sheet.