

Material Safety Data Sheet

SC-125

Date of Preparation: 08/20/2004

Revision: 08/20/2004

Section 1 - Chemical Product and Company Identification

Product Name: SC-125

Chemical Type: Aluminum Granules

Manufacturer: BJB Enterprises, Inc., 14791 Franklin Avenue, Tustin, CA 92780, Phone (714) 734-8450, Fax (714) 734-8929, (M-Th: 8-4:30, F: 7:30-4), Emergency Phone: Chemtrec (800) 424-9300 or (703) 527-3887

Section 2 - Composition / Information on Ingredients

Ingredient Name	CASRN	% wt
1. Aluminum (product under some circumstances may produce aluminum fumes)	7429-90-5	94.5
2. Silicon	7440-21-3	9.4 max
3. Copper (fume)	7440-50-8	1.0 max
4. Zinc (fume)	7440-66-6	1.0 max

Trace Impurities: N/A

Ingredient	OSHA PEL		ACGIH TLV		NIOSH REL		NIOSH IDLH
	TWA	STEL	TWA	STEL	TWA	STEL	
#1	NE	NE	10.0 mgm/m ³	NE	NE	NE	NE
#2	NE	NE	10.0 mgm/m ³	NE	NE	NE	NE
#3	NE	NE	0.1 mgm/m ³ (Fume)	NE	NE	NE	NE
#4	5.0 mgm/m ³ (ZnO-Fume)	NE	5.0 mgm/m ³ (ZnO-Fume)	NE	NE	NE	NE

Section 3 - Hazards Identification

☆☆☆☆☆ Emergency Overview ☆☆☆☆☆

Appearance: Light gray, metal granules; Odor: None; Remove from sources of ignition, protect against water, separate from the storage of carbon tetrachloride, carbon disulfide, halogens, acids, and combustible materials.

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PPE[†]

[†]Sec. 8

Potential Health Effects

Health Effects (Acute and Chronic): High exposure to aluminum fumes may produce irritation to eyes and respiratory system.

Primary Routes of Entry: Respiratory – inhalation of fumes.

Medical Conditions Aggravated by Long-Term Exposure: Asthma and other respiratory conditions.

Section 4 - First Aid Measures

Inhalation: Remove to fresh air environment.

Ingestion: If swallowed, call a physician immediately. Remove stomach contents by gastric suction or induce vomiting only as directed by medical personnel. Never give anything by mouth to an unconscious person.

Eye Contact: Flush eyes with clean, lukewarm water for 15 minutes. Obtain medical attention if irritation develops.

Skin Contact: Remove contaminated clothing and wash affected areas well with soap and water. Launder contaminated clothing before use.

Note to Physicians: Treat any ill effects symptomatically.

Section 5 - Fire-Fighting Measures

Flash Point/Method: N/A

Extinguishing Media: Contain fire with dry sand. Ring fire with sand using non-sparking implements.

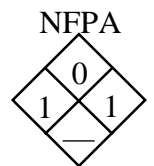
Allow fire to consume itself. Do not use water. Do not use halogenated extinguishing agents.

Unusual Fire or Explosion Hazard: Heat generation including ignition may occur if product is damp or exposed to water. Dust clouds may be explosive. Prevent accumulations of dust. If flakes or fines become wet, do not store in a tight container that could permit hydrogen gas to accumulate.

Hazardous Decomposition Products: Metal oxides, hydrogen.

Fire-Fighting Instructions: See above.

Fire-Fighting Equipment: Firefighters should wear positive pressure self-contained breathing apparatus (SCBA).



Section 6 - Accidental Release Measures

Spill /Leak Procedures: Clean by scooping and mild brushing. Cleaning should be done with a soft brush and pickup should be with non-spark conductive scoops. Never employ water.

Section 7 - Handling and Storage

Precautions to be Taken in Handling and Storage: Remove from sources of ignition, protect against water, separate from the storage of carbon tetrachloride, carbon disulfide, halogens, acids, and combustible materials. In packaged or containerized form is stable. Material must be kept dry. DO NOT STORE OUTSIDE.

Maintenance Precautions: Use of non-sparking, non-static implements is recommended. Keep material off electrical equipment in accordance with National Electric code.

Section 8 - Exposure Controls / Personal Protection

Eye Protection Requirements: Safety goggles or glasses are recommended. Plastic face shield should be worn for complete face protection.

Skin Protection Requirements: Not required.

Ventilation/Respiratory Requirements: Exhaust ventilation recommended if fumes are encountered. An organic vapor cartridge or fresh air supplied respirator (NIOSH certified) may be necessary for certain applications. Consider the type of application, environmental concentrations, and other materials being used concurrently when determining respirator use and selection. Observe OSHA regulations for respirator use (29 CFR 1910.134).

Additional Protective Measures: Safety showers and eye wash stations should be easily accessible to the work area. Training is important. Follow all label precautions.

Section 9 - Physical and Chemical Properties

Physical State: Granules

Appearance and Odor: Light gray, metal; no odor

Specific Gravity (H₂O=1): 2.71

pH: N/A

Water Solubility: N/A

Freeze/Melt Temperature: 1000°-1280°F

% Volatile: N/A

V.O.C. (ref EPA meth 24): N/A

Section 10 - Stability and Reactivity

Stability: Stable under normal conditions of use, storage and transportation.

Polymerization: Hazardous polymerization will not occur.

Chemical Incompatibilities/Conditions to Avoid: Water (slowly generates hydrogen and heat when confined). Water/aluminum mixtures may be hazardous when confined), Oxidizers (violent reaction with much heat generation), Metal oxides (varying degrees of violent reaction with heat generation), Acids and Alkalies (reacts to generate hydrogen), and Halogenated compounds (halogenated hydrocarbons and chlorinated solvents can react violently with finely divided aluminum).

Hazardous Decomposition: Thermal oxidative decomposition can produce metal oxides and hydrogen.

Conditions to Avoid for Stability: Improper storage, which would allow introduction of water and/or foreign matter.

Section 11- Toxicological Information

No Toxicological Information Available

Section 12 - Ecological Information

No Ecological Information Available

Section 13 - Disposal Considerations

Waste Disposal Method: Dispose of in compliance with federal, state, or local environmental control regulations. Scrap aluminum can often be reclaimed and recycled. Contact BJB Enterprises, Inc.

Section 14 - Transport Information

DOT
Not regulated

IATA/ICAO
Not regulated

IMO/IMDG
Not regulated

Section 15 - Regulatory Information**U.S. Federal Regulations:****OSHA:**

This document has been prepared in accordance with the MSDS requirements of the OSHA Hazard Communication Standard.

SARA TITLE III:

Sections 311/312 Hazard Classification: None

Section 313: This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

Aluminum	CAS Number – 7429-90-5
Copper (fume)	CAS Number – 7440-50-8
Zinc (fume)	CAS Number – 1314-13-2
Silicon	CAS Number – 7440-21-3

TSCA: This product or its components are listed in or exempt from the TSCA inventory requirements.

This product contains the following substances subject to export notification under Section 12 (b) of TSCA:

None

Section 16 - Other Information

Reason for Issue: New issue

Prepared By: M. Rose

Approval Date: 08/20/2004

Supersedes Date: N/A

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