Material Safety Data Sheet

Section I: General Information

Product Name (Number)	Solder Alloy 95 Sn/5 Sb	(AM13955)
Chemical Family	Inorganic Metals.	
D.O.T. Hazard Class	Not regulated.	

Manufactured for: Balkamp Inc. (Corp. Off.)
2601 S. Holt Rd.
Indianapolis, IN 46241

Section II: Hazardous Ingredients

Ingredients	CAS Number	Weight Percent	OSHA PEL	ACGIH TLV
Tin	7440-31-5	95	2.0 mg/cum	2.0 mg/cum
Antimony	7440-36-0	5	0.5 mg/cum	0.5 mg/cum

Section III: Physical Data

(Published or Extimated Values)

Boiling Point Deg. F. (760 mm Hg)	NA	Specific Gravity (H20=1)	NA
Vapor Pressure (mm Hg at 20 Deg. C.)	NA	% Volatile By Weight	NA
		Evaporation Rate	NA
Vapor Density (AIR=1)	NA		
Solubility In Water	Insoluble	pH	NA
Appearance and Odor	Silver-white metal, odorless		

Section IV: Fire and Explosion Hazard Data

Estimated Flammable Limits (% by Volume in Air) LEL: NA UEL: NA

Flash Point Deg. F.	NA
Extinguishing Media	NA
Special Fire Fighting Procedures	Use NIOSH approved self-contained breathing apparatus and full protection clothing if involved in a fire.
Unusual Fire and Explosion Hazard	None

NA – Not Applicable NE – Not Established NL – Not Listed UN – Unknown

Section V (A) Health Hazard Data (Symptoms/Effects of Overexposure)

Tin:	Tin is relatively non-toxic, but may cause fever, nausea, stomach cramps or diarrhea. Dust or fume may cause irritation of the skin and mucous membranes. Stannosis, a benign pneumoconiosis may result from excessive tin exposure.
Antimony:	Liver and kidney abnormalities or pneumonitis may result from chronic antimony exposure. Some animal studies indicate that inhalation of antimony trioxide may pose an increased risk of lung cancer.
Listed Carcinogens:	None of the metal elements of this product are listed as carcinogenic by NTP, IARC, or OSHA.

Medical Conditions Possibly Aggravated: Diseases of the lung, kidney, liver and nervous system.

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Section V (B) Health Hazard Data (Emergency and First Aid Procedures)

Inhalation	Not likely to occur. If dust or vapor is present remove individual from exposure. A NIOSH/MSHA approved respirator should be worn where airborne exposures may exceed permissable air limits.
Ingestion	Not likely to occur. Tin is of a low order of toxicity because of poor absorption and rapid excretion of the metal from human issue. Product contains 5 percent antimony. Consult Poison Control Center for First Aid.
Skin Contact	After handling wash with soap and water.
Eye Contact	Flush with water. Dust may cause irritation. If irritation persists get medical attention.

Section VI: Reactivity Data

Stability Stable: X Unstable: Conditions to Avoid NA

Incompatability (Materials to Avoid) Strong acids and strong bases.

Hazardous Decomposition Products Antimony trioxide may be evolved at decomposition temperature.

Hazardous Polymerization Will Occur: Will not Occur: X Conditions to Avoid: NA

Section VII: Spill or Leak Procedures

Steps to be taken in case material is released or spilled: Product is solid metal.

Waste Disposal: Scrap or waste may be recycled or collected for disposal.

Must be in accordance with Federal, State and Local Laws and Regulations.

Section VIII: Special Protection

Respiratory:	A NIOSH/MSHA approved dust/fume respirator should be worn where the TLV may be exceeded.
Eyewear:	Safety glasses and/or face protection is recommended for exposures to dust, grinding or other operations generating flying particles.
Clothing/Gloves:	Protective gloves should be worn if skin contact is appreciable.
Ventilation:	Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below the TLV.

Section IX: Special Precautions

Precautions to be taken in handling and storing

Food and drink should not be consumed or tobacco products used, nor cosmetics applied in areas where metal may be used. Always wash after handling and before eating, drinking or smoking.

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Other Precautions:

Containers: Since empty containers may retain product residues (vapor, liquid, or solid) all labeled hazard precautions must be observed. FOR INDIVIDUAL USE ONLY. KEEP OUT OF REACH OF CHILDREN. DO NOT TAKE INTERNALLY.

Section X: Additional Information

----------REGULATORY INFORMATION----------

Toxic Substance Control Act (TSCA) Status:

All ingredients of this product are listed on the TSCA inventory.

SARA TITLE III (Section 313):

Components present in this product at a level which could require reporting under the statue are:

Antimony

EMERGENCY TELEPHONE NUMBER

CHEMTREC 1-800-424-9300 DAY OR NIGHT

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