

Section 01 Identification

Info furnished by: Fry Technology
 Address: 4100 Sixth Avenue
 Altoona, PA 16602
 Date Effective: 04/14/00
 Emergency Phone: (814) 946-1611
 Chemtrec 800-424-9300 (Use only in the event of chemical
 emergencies involving a spill, leak, fire, exposure,
 or accident involving chemicals.)
 Product or Trade Name HiFlo, HiFlo +/-Hal Bar, Hal Bar +, Vaculoy,
 Alcomet
 Person to Contact Daren Cuppett - Jack Wagner

Section 02 Constituents

Chem	CAS	%WT	Carcinogen
TLV/TWA			
Tin	7440-31-5	63% Nominal	No 2mg/cu m ACGIH 2mg/cu m (inorganic) OSHA
Lead	7439-92-1	Balance	No 0.05mg/cu m ACGIH 0.05mg/cu m OSHA (PEL)
Antimony	7440-36-0	0.3 Maximum	No 0.5mg/cu m ACGIH/OSHA

This product contains a chemical subject to SECTION 313 of SARA Title III.

IRAC classifies lead and some lead compounds as Group 2B carcinogens (possibly carcinogenic to humans). This classification based primarily on carcinogenicity of certain soluble lead salts in lab animals. Neither lead nor its insoluble salts appear to be carcinogenic to humans or lab animals.

WARNING: This product contains a chemical known to the State of California to cause cancer, or birth defects or other reproductive harm.

Section 03 Physical Data

Melting Point	361 degrees Fahrenheit
Boiling Point	N/A
Vapor Pressure	Not volatile
Vapor Density (air is 1)	Not volatile
Solubility in Water	NIL
Appearance & Color	Silver to grey metal
Specific Gravity	8.40
Odor	None
% Volatile	NIL
pH	N/A
Evaporation Rate(nBuAc=1)	N/A

Section 04 Fire & Explosion Hazard Data

Flash Point/Method Used Not Flammable
 Flammable Limits N/A
 Extinguishing Media N/A
 Fire-fighting equipment If this metal is present where there is a fire, wear self-contained breathing apparatus in case of toxic lead fumes.
 Special precautions None

Section 05 Reactivity Data

Stability: Stable
Conditions to avoid: N/A
Hazardous Polymerization: Will not occur
Conditions to avoid: N/A
Incompatibility: Strong acids, oxidizers, reducing agents, halogens.
Hazardous Decomposition Products:
Lead fumes at high temperatures (above 800 F).

Section 06 Spill, Leak and Disposal Procedures

Action to take for Spills/Leaks:
Allow to solidify and collect in sealed drums for disposal.

Disposal Method:
Return to supplier for reprocessing.

Section 07 Health Hazard Data

Eye: Dust or fume will be an irritant.
Skin Contact: Not a route of entry into the body.
Skin Absorption: Not a route of entry into the body.
Ingestion: Ingestion of dust or fume must be avoided. Lead is toxic and cumulative, affecting the kidneys, reproductive system and nervous system. Symptoms of chronic overexposure include anemia, insomnia, weakness, irritability, constipation and stomach pains. Antimony is toxic and dust or fume can cause nasal septal ulceration and stomach lining irritation. Tin is not regarded as toxic but excessive exposure can cause fever, nausea, stomach cramps or diarrhea.
Inhalation: Inhalation of dust and fumes must be avoided. Irritation of nose and bronchial tracts may occur as well as effects due to absorption of lead, etc. in the blood stream.
Systemic & Other Effects: UNK

Section 08 First Aid Procedures

Eyes: Flush with water for 15 minutes.
Skin: Wash thoroughly with soap and water. Remove contaminated clothing.
Ingestion: Induce vomiting if person is conscious. Get medical attention.
Inhalation: Remove to fresh air. Get medical attention.
Note to Physician: N/A

Section 09 Special Handling Information

Ventilation: If fume or dust is being generated, mechanical ventilation must be provided to maintain exposure levels below TLV's.

Respiratory Protection: Only required if TLV's are exceeded. Use a NIOSH/MSHA approved respirator for toxic dust and/or fume. Note: See 29CFR1910.1025 Subpart (f) of OSHA's Lead Standard.

Eye Protection: Wear safety glasses during soldering operations.

Skin Protection: Not normally needed.

Section 10 Special Precautions & Additional Information

Storage: Store in dry conditions.

Handling Information: Lead use is regulated under OSHA 29CFR 1910.1025. No food or drink should be allowed in areas where these products are handled. Personnel must wash thoroughly after handling the metal before drinking, eating or smoking.

Section 11 Hazard Rating

Based on NFPA and NPCA Systems
Health - 2
Flammability - 0
Reactivity - 0
Special Hazard - W

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