



## SECTION 6 - TOXICOLOGICAL PROPERTIES

**Route of Entry:** Inhalation or skin contact

**Effects of Acute Exposure to Material:** Wear gloves when handling solder coupons. When used as a solder, the alloy will be molten. Overheating can generate fumes. Inhalation of freshly formed fume may cause metal fume fever. Initial symptoms include dryness and irritation of the throat. Several hours after exposure, signs can include a metallic taste in the mouth, headache, fever, chills, excessive sweating, muscle pains, nausea, vomiting and weakness. Recovery from symptoms generally occurs within 48 hours. Metal fume fever is not usually fatal. Effects of Chronic Exposure: There are no known chronic effects relating to repeated incidences of metal fume fever.

Carcinogenicity: Not Available    Teratogenicity: Not Available.    Mutagenicity: Not Available  
Synergistic Materials: Not Available    LD50: N. AV    LC50: N. AV

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## SECTION 7 - PREVENTIVE MEASURES

**Engineering Controls:** Do not overheat the alloy. For low level fume generation use general dilution ventilation. Local exhaust is required for higher levels of fume generation. A health and safety consultant can assess your individual ventilation needs see; Industrial Ventilation: A manual recommended practice; by the Acgih

### **Personal Protective Equipment:**

Gloves: Required only if dermatitis results from handling

Respirator: Low fume concentrations in vicinity of TLV, use portable fume respirator or high efficiency particulate filter (NIOSH APPROVED)

Consult: CSA STD. Z94. 4-M1982 "Selection, Care and Use of Respirator"

Eye Protection: Tinted shielded safety glasses should be worn to provide protection against molten metal splashes and strong ultra-violet or infrared energy emitted from the molten metal.

Consult: CSA STD. Z94.3-M1982 "Industrial Eye and Face Protectors"

**Leak and Spill Procedures:** Spill of molten metal should be smothered with sand or other suitable class D extinguishing media

Waste Disposal: Return to manufacturer for refining

Storage Requirements: Store in dry container away from incompatibles

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## SECTION 8 - FIRST AID MEASURES

If a person breathes large amounts of metal fume, move them to fresh air. If breathing has stopped, perform artificial respiration. Keep the person warm and at rest. If breathing is difficult, provide oxygen. Take the person to medical attention if they exhibit symptoms of metal fume fever noted in Section 6. Administer normal first aid to burns caused by molten metal. If dermal irritation initiates from handling material, wash affected area thoroughly with soap and water, the avoid direct skin contact with the metal.

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## SECTION 9 - PREPARATION DATE OF MSDS

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