

SECTION 6 - TOXICOLOGICAL PROPERTIES

Route of Entry: Inhalation or skin contact

Effects of Acute Exposure to Material: INHALATION OF FRESHLY FORMED FUME MAY CAUSE METAL FUME FEVER. INITIAL SYMPTOMS INCLUDE DRYNESS AND IRRITATION OF THE THROAT. SEVERAL HOURS AFTER EXPOSURE, SIGNS INCLUDE A METALLIC TASTE IN THE MOUTH, HEADACHE, FEVER, CHILLS, EXCESSIVE SWEATING, MUSCLE PAINS, NAUSEA, VOMITING AND WEAKNESS. RECOVERY FROM SYMPTOMS 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: Unkown.

Teratogenicity: N. Av.

Mutagenicity: N. Av.

Synergistic Materials: None Known.

LD50: N. Av.

LC50: N. Av.

SECTION 7 - PREVENTIVE MEASURES

Engineering Controls: Excessive fume generation is not expected under normal use of this alloy. Should low levels of fume generation be seen, use appropriate dilution or targeted ventilation to remove fume from breathing zone. Should higher levels of fume generation occur, targeted local exhaust ventilation is needed. A health and safety consultant can assess your specific ventilation needs see; Industrial Ventilation: A manual recommended practice; by the Acgih.

Personal Protective Equipment:

Gloves: Recommended when strip or wire are handled. Dermal irritation is not generally reported for this alloy, but should it occur suitable gloves must be worn.

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: Wear eye protection suited to the work environment, including tinted or plain shielded safety glasses and / or face visors.

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

Leak and Spill Procedures:

Spill of molten metal is not expected as this alloy is not intended for use as casting grain. Should one occur, smother with sand or other suitable class D extinguishing media.

Spill of solid metal should be collected and contained. It should not be re-used if foreign material has been mixed in with the spilled metal during the collection stage.

Waste Disposal: Return to manufacturer for refining

Storage Requirements: Store in dry container away from incompatibles

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 and arrange for medical attention. 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 cuts, scratches and burns. If dermal irritation initiates from handling material, wash affected area thoroughly with soap and water.

SECTION 9 - PREPARATION DATE OF MSDS

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