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MATERIAL SAFETY DATA SHEET

Section 1- PRODUCT IDENTIFICATION

COMPOSITION In	PRODUCT NAME Indium
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Section 2- HAZARDOUS INGREDIENTS

Note: Products under normal conditions do not represent an inhalation, ingestion or contact health hazard.

MATERIAL OR COMPONENT	CAS NUMBER	WT%	EXPOSURE LIMITS	
			OSHA PEL (Mg/M3)	ACGIH TLV(MG/M3)
In	7440-74-6	100	0.1mg/cum	0.1mg/cum

Section 3- PHYSICAL DATA

MATERIAL IS (AT NORMAL CONDITIONS) <input type="checkbox"/> Liquid <input type="checkbox"/> Solid <input type="checkbox"/> Gas <input type="checkbox"/> Other	APPEARANCE AND ODOR Metallic color, no odor
MELTING POINT (BASE METAL) 156° C	SPECIFIC GRAVITY 7.3

Section 4- FIRE AND EXPLOSION

Flash Point (Method Used) N/A	Flammable Limits N/A	LEL N.A.	UEL N.A.
EXTINGUISHING MEDIA Alloy is non-flammable			
SPECIAL FIRED FIGHTING PROCEDURES Do not use water near molten metal- danger of explosion.			
UNUSUAL FIRE AND EXPLOSION HAZARDS At very high temperatures toxic metal oxide fumes may be evolved.			

Section 5- REACTIVITY DATA

STABILITY Unstable	INCOMPATABILITY (MATERIALS TO AVOID) Keep water and other volatile liquids away from molten metals.
CONDITIONS TO AVOID N/A	
HAZARDOUS DECOMPOISTION PRODUCTS Metal Oxides	

Section 6- HEALTH HAZARD GUIDE

MAJOR EXPOSURE HAZARD

Inhalation Skin Skin Absorption Eye Contact Ingestion

EFFECTS OF OVEREXPOSURE

Indium: Data on overexposure is scanty. Orally, indium is moderately toxic, but parenterally is very toxic, affecting the liver, heart, kidneys and blood. Toxicity is based on animal experimentation. May cause weight loss, pulmonary edema, blood damage and degenerative changes in the liver and kidneys.

EMERGENCY & FIRST AID PROCEDURES

INHALATION: Remove from exposed area to fresh air immediately.

SKIN CONTACT: For hot metal burns, exposed area should be cooled with water and medical attention sought. After handling solid solder wire, bar, etc., wash thoroughly with soap and water. Dust, vapor and/or fume are not readily absorbed through the skin.

INGESTION: Call a physician or Poison Control Center.

Section 7- SPILL OR LEAK PROCEDURES

SPILL OR LEAK PROCEDURES

Normal solid cleanup procedures. (Solid at ambient temperatures)

WASTE DISPOSAL METHODS

Scrap or waste should be recycled or stored in sealed containers for later disposal.

Section 8- SPECIAL PROTECTION

RESPIRATORY

None, but if fumes are generated...wear fume respirator.

VENTILATION

Provide sufficient mechanical (general and/or local) to maintain exposure levels below TLVs.

EYE PROTECTION & PROTECTIVE CLOTHING

Wear a long sleeve shirt or coat. Heat resistant gloves should be worn to reduce burn exposure.

Section 9- SPECIAL PRECAUTIONS

Food and drink should not be consumed or tobacco products used, nor cosmetics applied in areas where this product may be used. Always wash hands after handling solder and before eating, drinking or smoking. Avoid making dust.

Since empty containers may retain product residues (vapor, liquid, or solid) all labeled hazard precautions must be observed.

FOR INDUSTRIAL USE ONLY. KEEP OUT OF REACH OF CHILDREN. DO NOT TAKE INTERNALLY.

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