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## MATERIAL SAFETY DATA SHEET

### Section 1- PRODUCT IDENTIFICATION

COMPOSITION <b>Sn</b>	PRODUCT NAME <b>Tin</b>
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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)
<b>Tin</b>	<b>7440-31-5</b>		<b>2mg/cubic meter</b>	<b>2mg/cubic meter</b>

### 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 <b>Silvery Metal</b>
MELTING POINT (BASE METAL) <b>231.96C</b>	SPECIFIC GRAVITY <b>5.75g/cc</b>

### Section 4- FIRE AND EXPLOSION

Flash Point (Method Used) <b>N/A</b>	Flammable Limits <b>N/A</b>	LEL	UEL
EXTINGUISHING MEDIA <b>N/A</b>			
SPECIAL FIRE FIGHTING PROCEDURES <b>Wear self contained breathing apparatus if product is involved in a fire.</b>			
UNUSUAL FIRE AND EXPLOSION HAZARDS			

### Section 5- REACTIVITY DATA

STABILITY <b>Stable</b>	INCOMPATABILITY (MATERIALS TO AVOID) <b>Strong acids, oxidizers halogens.</b>
CONDITIONS TO AVOID <b>None</b>	
HAZARDOUS DECOMPOISTION PRODUCTS <b>Will not occur</b>	

## Section 6- HEALTH HAZARD GUIDE

MAJOR EXPOSURE HAZARD

**Inhalation**  **Skin**  **Skin Absorption**  **Eye Contact**  **Ingestion**

EFFECTS OF OVEREXPOSURE

**INHALATION:** Inhalation of dust and fumes must be avoided.

**SKIN CONTACT:** Not a route of entry into the body.

**EYE CONTACT:** Dust or fumes will be irritant.

**INGESTION:** Ingestion of dust or fumes must be avoided. Tin is not regarded as toxic but excessive exposure can cause fever, nausea, stomach cramps or diarrhea.

EMERGENCY & FIRST AID PROCEDURES

**INHALATION:** Remove to fresh air. Get medical attention.

**SKIN CONTACT:** Wash thoroughly with soap and water. Remove contaminated clothing.

**EYE CONTACT:** Flush with water for 15 minutes.

**INGESTION:** Get medical attention immediately.

## Section 7- SPILL OR LEAK PROCEDURES

SPILL OR LEAK PROCUDRES

**Allow to solidify and collect in sealed drums for disposal.**

WASTE DISPOSAL METHODS

**Return to supplied for reprocessing**

## Section 8- SPECIAL PROTECTION

RESPIRATORY

**Only required if TLV's are exceeded. Use a NIOSH/OSHA approved respirator for dust and/or fumes.**

VENTILATION

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

EYE PROTECTION & PROTECTIVE CLOTHING

**Wear safety glasses during soldering operations.**

## Section 9- SPECIAL PRECAUTIONS

**Storage: Store in dry conditions.**

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