

MATERIAL SAFETY DATA SHEET
 May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910. 1200, Standard must be consulted for specific requirements

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IDENTITY (As Used on Label and List) MAGNA 89	LAST ASSESSED: 18/08/2009
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SECTION I - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

<i>Hazardous Components (Specific Chemical Identity: Common Name(s))</i>	<i>CAS NO.</i>	<i>TLV</i>	<i>Other Limits Recommended</i>
Tin	7440-31-5	2mg/m ³ *	-
Lead	7439-92-1	0.05mg/m ³ *	-
Zinc	7440-66-6	5mg/m ³ *	-

SECTION II - PHYSICAL CHARACTERISTICS

<i>Boiling Point</i>	N.A.	<i>Specific Gravity (H₂O = 1)</i>	N.A.
<i>Vapor Pressure (-)</i>	N.A.	<i>Melting Point</i>	**
<i>Vapor Density (AIR = 1)</i>	N.A.	<i>Evaporation Rate (-)</i>	N.A.

Solubility in Water Insoluble

Appearance and Odor Silver-grey color with no odor.

SECTION III - FIRE AND EXPLOSION HAZARD DATA

<i>Flash Point (Method Used)</i> None	<i>Flammable Limits</i>	<i>LEL</i> N.A.	<i>UEL</i> N.A.
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Extinguishing Media

CO₂ or dry chemical extinguisher.

Special Fire Fighting Procedures

Use NIOSH approved self-contained breathing apparatus and full protective clothing if involved in fire.

Unusual Fire and Explosion Hazards

Finely divided dust may form explosive mixtures with air. When overheated lead fumes are toxic (NEVER exceed 500C).

SECTION IV - REACTIVITY DATA

<i>Stability</i> Stable	<i>Conditions to Avoid</i> None
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Incompatibility (Materials to Avoid)

Strong acids and alkalis.

Hazardous Decomposition or Products

At temperatures above melting range/temperature, oxide fumes may evolve.

<i>Hazardous Polymerization</i> Will Not Occur	<i>Conditions to Avoid</i> None
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SECTION V - HEALTH HAZARD DATA

Threshold Limit Value

See Section I hazardous ingredients.

Effects of Overexposure

Chronic overexposure to high levels of airborne or ingested lead may result in anemia, insomnia, weakness, constipation, nausea and abdominal pain.

Prolonged overexposure may result in kidney and nervous system involvement and reproductive effects. It is unlikely that exposure to this material would result in an acute illness; however, if symptoms are present, the individual should be removed from exposure and a physician consulted. Diseases of the blood and blood-forming organs, kidneys, nervous system, and possibly reproductive systems may be aggravated by overexposure to lead. Exposure to lead may result in injury to a developing fetus.

Emergency & First Aid Procedures

Eye contact: Remove from exposure, wash eye thoroughly with cool water for at least 15 minutes; consult physician.

Skin contact: Wash and rinse thoroughly. If symptoms develop, call physician.

Inhalation: Remove to fresh air, call physician.

Swallowing: Induce vomiting in conscious individual. Call physician.

SECTION VI - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to Be Taken In Case Material Is Released or Spilt

Vacuuming or washing down is recommended. Dry sweeping may result in high concentrations of airborne dust.

Waste Disposal Method

Dispose of in accordance with Federal, State and local regulations.

Precautions to Be Taken in Handling and Storing

Avoid inhalation of dust or fumes in concentrations above OSHA limits.

Avoid accidental ingestion by using good personal hygiene practices.

Dry storage at ambient temperatures.

Other Precautions

Remove and professionally wash contaminated clothing before reuse.

SECTION VII - CONTROL MEASURES

Respiratory Protection (Specify Type)

Use NIOSH approved lead dust/fume respirator should be worn where applicable limits may be exceeded.

Ventilation	Local Exhaust Adequate ventilation	Special -
	Mechanical (General) Required	Other -

Protective Gloves

Heat resisting gloves

Eye Protection

Chemical safety goggles

Other Protective Clothing or Equipment

Standard protective equipment used in soldering operations.

Work/Hygienic Practices

Wash exposed areas with soap and water before eating.

Remarks

* fume

** Tin @232C & lead @327C

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