

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 88C	LAST ASSCESSED: 18/08/2009
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SECTION I - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous Components (Specific Chemical Identity: Common Name(s))	CAS NO.	TLV	Other Limits Recommended
Tin	7440-31-5	2mg/m ³ *	-
Silver	7440-22-4	0.1mg/m ³ *	-
Urea	57-13-6	5mg/m ³	-
Ethylene Diamine Dihydrochloride	333-18-6	50ppm	-

SECTION II - PHYSICAL CHARACTERISTICS

Boiling Point	2219C	Specific Gravity (H₂O = 1)	N.A.
Vapor Pressure (-)	N.A.	Melting Point	215C
Vapor Density (AIR = 1)	N.A.	Evaporation Rate (-)	N.A.
Solubility in Water Wire: Insoluble; Core: Appreciable.			
Appearance and Odor Silver, odorless wire with liquid core running through centre.			

SECTION III - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used) None	Flammable Limits	LEL N.A.	UEL N.A.
Extinguishing Media Water spray, CO ₂ , alcohol foam.			
Special Fire Fighting Procedures When heated to point of vaporization, toxic fumes are emitted. Use NIOSH approved self-contained breathing apparatus and full protective clothing if involved in fire.			
Unusual Fire and Explosion Hazards Silver plus ammonia may produce fulminate-like compounds which may explode when dried. Acetylene plus silver may form an insoluble, explosive acetylde.			

SECTION IV - REACTIVITY DATA

Stability Stable	Conditions to Avoid None
Incompatibility (Materials to Avoid) Ammonia, acetylene, strong acids and alkalis.	
Hazardous Decomposition or Products At temperatures above melting range/temperature, oxide fumes may evolve.	
Hazardous Polymerization Will Not Occur	Conditions to Avoid None

SECTION V - HEALTH HAZARD DATA

Threshold Limit Value See Section I hazardous ingredients.
Effects of Overexposure Argyria, a blue-grey discoloration of the skin, mucous membranes and eyes may result from inhalation of silver. This discoloration may become permanent.
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.
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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 temperature. Crimp end of solder not in use to prevent (flux) core leakage.

Other Precautions

Remove and professionally wash contaminated clothing before reuse.

SECTION VII - CONTROL MEASURES

Respiratory Protection (Specify Type)

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

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

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

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