

# Material Safety Data Sheet

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IDENTITY:

SD-41, SE-2AG08

## Section 1 - Company Identification

Name of Manufacturer:

TAIYO ELECTRIC IND. CO., LTD.

Address:

2-16-8 Yamate Fukuyama Hiroshima

Telephone Number Fax Number for Information:

Tel : 81-(84)-951-1512

Fax : 81-(84)-51-9531

Japan 720-0092

Data Prepared:

24 March, 2002

## Section 2 - Material Identification and Information

Hazardous Component	CAS No.	OSHA PEL	ACGIH TLV	%
Specific chemical identity / Common Name(s)				
Solder wire				
Tin	7440-31-5	2mg/m <sup>3</sup>	2mg/m <sup>3</sup>	58.9wt%
Lead	7439-92-1	50 µg/m <sup>3</sup>	0.1mg/m <sup>3</sup>	36.8wt%
Silver	7440-22-4	NA	0.1mg/m <sup>3</sup>	2.5wt%
Rosin	----	UN	100ppm	1.8wt%

## Section 3 - Hazards Identification

Physical and chemical hazards

: N/A

Adverse human health affects

: Contains lead

Class name of hazardous chemicals for SDS in Japan

: Acute toxic substances

Environmental effects

: Caution is required not to contaminate environment.

## Section 4 - Physical/Chemical Characteristics

Boiling Point	UN	Specific Gravity (H <sub>2</sub> O=1)	7.5
Vapor pressure (mm Hg)	UN	Melting Point ( )	178~211
Vapor Density (AIR=1)	UN	Evaporation Rate (Butyl Acetate=1)	NA

Solubility in Water:

: Negligible

Appearance and Odor:

: Metal wire

## Section 5 - Fire and Explosion Hazard Data

Flash Point & Method used : NA	Flammable Limits: NA	UEL ----	LEL ----
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Extinguishing Media:

Dry chemical, foam, carbon dioxide.

Do not use water if metal is molten.

Special Fire Fighting Procedure:

Extinguish from upwind of fire. Do not inhale gas.

Unusual fire &amp; Explosion Hazards:

If you use bar type water at fire fighting, may cause water explosion.

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**Section 6 - Reactivity Data Identity**

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Stability:	Unstable		Conditions to Avoid: Reacts with strong oxidizers and strong acid.
	Stable	X	
Incompatibility: Strong oxidizers			
Hazardous Decomposition or Byproducts: CO, CO <sub>2</sub> , Hydrocarbon, NH <sub>3</sub> , HBr, H <sub>2</sub> O, Hcl			
Hazardous Polymerization	May Occur		Conditions to Avoid:
	Will Not Occur	X	

**Section 7 - Health Hazard Data**

Route of Entry : Inhalation, Ingestion, Skin absorption

Carcinogen listed in : Not listed

Signs and Symptoms of Exposure:

Acute toxicity: Physical narcosis, diarrhea, vomiting, blood in the stool, kidney damage, causes death in 1~2days

Chronic toxicity: Weakness, headache, sensuous disorder of the limbs, convulsions, urinary disorder etc.

Medical Conditions:

Generally aggravated by exposure Pre-existing eye, skin, or respiratory disorder may be aggravated by exposure to this products.

Emergency and First Aid Procedures-Seek medical assistance for further treatment, observation and support if necessary.

Eye:

Flush eye well with plenty running water for 15 minutes, including eyelids. See physician.

Skin:

Wash with soap and water. If irritation develops, contact physician.

Inhalation:

Remove to fresh air and call physician.

Swallowing:

Immediately get the victim to vomit. Call physician.

**Section 8 - Precautions for Safe Handling and Use**

Steps to be taken in Case Material is Released or Spilled:

After excess material cools down, scoop up and vacuum the material with vacuum cleaner and collect it in an empty container.

Waste Disposal Method:

In accordance with state and local regulations. Metal is recyclable.

Precautions to be taken in Handling and Storing:

Store in a dark and cool place.

Other Precautions and/or special hazards

Avoid contact with eyes or skin.

Use only with adequate ventilation.

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**Section 9 - Control Measures**

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Respiratory Protection:

Local exhaust

Ventilation:	Local exhaust	Special: Not required
	Mechanical (general)	Other: NA

Protective Gloves:

Chemical resistant

Eye Protection:

Safety glasses or goggles

Other Protective clothing or equipment:

Clothing to prevent skin contact A respirator when required.

**Section 10 - Transport Information**

Follow all regulations in your country.

**Section 11 - Other Information**

The information herein is given in good faith, but no warranty. Final determination of suitability any material is the sole responsibility of the user. All materials may present unknown hazards and should be used in caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

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