Section 1 - Product and Company Information

Identity: Ag solder: SE-0AG08		
Manufacturer's Name: TAIYO ELECTRIC IND. CO.,LTD.	Email: info@goot.co.jp	
Address: 2-16-8 Yamate Fukuyama Hiroshima Prefecture Japan 720-0092	Telephone Number / Fax Number for Information: Tel : 81-(84)-951-1512 Fax : 81-(84)-951-9531	
	Data Prepared: 2011-11-25	Revised date: 2014-4-10

Section 2 - Composition / Information on Ingredients

COMPONENT	SYMBOL	CAS No.	OSHA PEL	ACGIH TLV	%
Tin	Sn	7440-31-5	2.0mg/m^3	2.0mg/m^3	58.9 wt%
Lead	Pb	7439-92-1	50μg/m^3	0.1mg/m^3	36.8wt%
Silver	Ag	7440-22-4	Not Available	0.1mg/m^3	2.5wt%
Rosin	- - -	- - -	UN	100ppm	1.8wt%

Section 3 - Hazards Identification

Physical and Chemical Hazards: Not Available
Adverse Human Health Affects: Contains lead
Class Name of Hazardous Chemicals for SDS in Japan: Acute toxic substances

Section 4 - First-aid Measures

Eyes:	Immediately flush eyes with plenty of water holding lids apart to ensure flushing of entire surface for at least 15 minutes. Contact a physician.
Skin:	Immediately wash contaminated skin with water or warm soapy water and contact a physician. Remove contaminated clothing.
Indigestion:	Get the victim to vomit immediately. Seek immediate medical attention.
Inhalation:	Remove the person from contaminated area to a place with the fresh air, and contact a physician.

Section 5 - Firer-fighting Measures

Flash Point: Not Available	Flammable Limits: Not Available	LEL ---	LEL ---
Extinguishing Media: Dry chemical, Foam, Carbon dioxide. Do not use water if metal is molten.			
Special Fire Fighting Procedure: Use blanket effect to smother fire. Extinguish from upwind. Avoid inhalation of vapor.			
Usual fire and explosion hazard: If you use water at fire fighting, may cause steam explosion.			

Section 6 - Accidental Release Measures

Steps to be taken in Case Material is Released or Spilled: Remove all sources of ignition. Let cool before picking up. Sweep or shovel the solid spilled material into a clean container. Avoid contact with skin, eyes and clothing. Wear rubber gloves, respiratory mask and wipe the spill using cloth soaked with alcohol.

Section 7 - Handling and Storage

Precautions to be Taken in Handling and Storing: Keep away from sources of heat and open flame. Keep in a cool and dark place preferably a lockable cabinet. Avoid contact with skin. Wear protective glasses and mask if necessary. Try to avoid scattering solder waste around the work area. Do not consume food or drink in the work area. Rinse out mouth and wash hands after use. Do not take protective clothing home.
Other precautions: Avoid contact with eyes or skin. Use only in a well ventilated area.

Section 8 - Exposure Controls / Personal Protection

Respiratory Protection:	Local exhaust, wear respiratory filter.	
Ventilation:	Local Exhaust: YES	Special: Not applicable

	Mechanical: YES	Other: Not applicable
Protective Gloves: Chemical resistant	Eye Protection: Safety glasses or goggles	Other Protective Clothing or Equipment: Clothing to prevent skin contact.

Section 9 - Physical and Chemical Properties

Boiling Point	Not Available	Vapor Pressure (mm Hg)	Not Available
Melting Point (°C)	178-211°C	Vapor Density (AIR=1)	Not Available
Specific Gravity (H_2O=1)	7.5	Evaporation Rate (Butyl Acetate=1)	Not Available
Solubility in Water	Insoluble		
Appearance and Odor	Metal wire, mild odor		
Other	Contains combustible substances		

Section 10 - Stability and Reactivity

Stability:	Unstable		Conditions to Avoid:
	Stable	YES	- - -
Incompatibility:	Strong acid, Strong oxidants such as HNO_3		
Hazardous Decomposition or Byproducts:	Tin, CO, CO_2, Hydrocarbon, NH_3, HBr, Lead		
Hazardous Polymerization:	May Occur		Conditions to Avoid:
	Will Not Occur	YES	- - -

Section 11 - Toxicological Information

Routes of Entry	Inhalation / Ingestion / Skin Contact / Eye Contact / Absorption
Health Hazards: Acute toxity: Chronic toxity:	 [Lead] Physical narcosis, diarrhea, vomiting, blood in the stool, kidney damage, causes death in 1 - 2days. [Lead] Weakness, headache, numbness of the limbs, convulsions, urinary disorder etc..
Health Hazards: Eyes: Skin: Inhalation: Ingestion:	 Can cause severe irritation Can cause irritation, dermatitis. Soldering fumes can cause respiratory irritation, kidney and liver damage. Overheating may produce tin fumes leading to tin poisoning. May cause kidney and liver damage, tin poisoning.
Carcinogenicity	NTP: Not Available IARC Monographs: Not Available OHSA: Not Available Signs and Symptoms of Exposure: Weakness, vomiting, stupor, anemia, loss of appetite
Medical Conditions Aggravated	Generally aggravated by exposure. Pre-existing eye, skin, or respiratory disorder may be aggravated by exposure to this product.

Section 12 - Ecological Information

Environmental Effects:
Caution is required not to contaminate environment. Hazardous for water.
Do not allow to enter sewers/surface or ground water.

Section 13 - Disposal Considerations

Waste Disposal Method:
In accordance with state and local regulations. Contact a licensed company.

Section 14 - Transport Information

When transportation is done to ensure a fall, fall, damage, prevention of collapse of cargo.

Section 15 - Regulatory Information

Follow all regulations in your country.
RoHS compatible: No (contains lead)

Section 16 - Other Information

The information herein is given in good faith, but not a warranty. Final determination of suitability any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist.