SE-0BA16

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Section 1 - Product and Company Information

Identity:		
Metal-work solder: SE-0BA16		
Manufacturer's Name:	Email:	
TAIYO ELECTRIC IND. CO.,LTD.	info@goot.co.jp	
Address:	Telephone Number / Fax N	Number for Information:
2-16-8 Yamate Fukuyama Hiroshima Prefecture	Tel: 81-(84)-951-1512	Fax: 81-(84)-951-9531
Japan 720-0092	Data Prepared:	Revised date:
·	2003-7-31	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	45 wt%
Lead	Pb	7439-92-1	50μg/m ³	0.1mg/m ³	55wt%

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: LEL LEL			
Not Available			
Extinguishing Media:			
Dry chemical, Foam, Carbon dioxide. Do no	ot use water if metal is molte	en	
Special Fire Fighting Procedure:			
Use blanket effect to smother fire. Extingu	uish from upwind. Avoid inha	alation 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	

Material Safety Data Sheet

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Section 9 - Physical and Chemical Properties

Boiling Point	Not Available	Not Available Vapor Pressure (mm Hg) Not A	
Melting Point (°C)	187-227°C	187-227°C Vapor Density (AIR=1) N	
Specific Gravity (H ₂ O=1)	9.1	9.1 Evaporation Rate (Butyl Acetate=1) N	
Solubility in Water	Insoluble		
Appearance and Odor	Metal wire, mild o	odor	
Other	UN		

Section 10 - Stability and Reactivity

Stability:	Unstable		Conditions to Avoid:
	Stable	YES	(H) 4 (4)
Incompatibility:	Strong acid, Stro	ng oxid	dants such as HNO ₃
Hazardous Decomposition or	Tin, CO, CO ₂ , Hydrocarbon, NH ₃ , HBr, Lead		
Byproducts:			
Hazardous Polymerization:	May Occur		Conditions to Avoid:
·	Will Not Occur	YES	- T-

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:	Can cause severe irritation
Skin:	Can cause irritation, dermatitis.
Inhalation:	Soldering fumes can cause respiratory irritation, kidney and liver damage. Overheating may produce tin fumes leading to tin poisoning.
Ingestion:	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	Generally aggravated by exposure. Pre-existing eye, skin, or respiratory disorder may be
Aggravated	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.