



## Material Safety Data Sheet

### SECTION I – General Information

Manufacturer's Name: Possehl Electronics Hong Kong Limited  
 Address: Possehl building, 18 Ma Kok Street, Tsuen Wan, N.T., Hong Kong  
 Telephone No.: 852-26978233  
 Product Type: Lead frame with Silver plating  
 Base Material: Alloy C18045

### SECTION II – Hazardous in Gredients

Threshold limit value (TLV) for constituent elements				OSHA	
Constituent	Element	CAS No.	Mass (%)	TWA (mg/m <sup>3</sup> )	STEL (mg/m <sup>3</sup> )
Copper	Cu	7440-50-8	Balance	0.10 (Fume) 1.00 (Dust)	-
Chromium	Cr	7440-47-3	0.200-0.300	1.00	-
Zinc	Zn	7440-66-6	0.180-0.260	5.0 (Fume)	
Tin	Sn	7440-31-5	0.230-0.270	2.00	
Cadmium	Cd	7440-43-9	<0.0005	0.0005 (Compound)	-
Plated Silver	Ag	7440-22-4	Per Drawing Requirement	0.10 (Fume) 1.00 (Dust)	-

### SECTION III - Physical Data

Boiling Point: N/A  
 Vapor Pressure(Mm Hg): N/A  
 Melting Point: Approx. 1080°C  
 Vapor Density(Air=1): N/A  
 Specific Gravity: N/A Evaporation Rate: N/A  
 Solubility(H<sub>2</sub>O): N/A  
 % Volatiles By Volume: N/A  
 Appearance & Odor: Glossy Red with Silver plating

### SECTION IV - Fire and Explosion Hazard Data

Flammability Classification: None  
 Flash Point: Na  
 Flammable Limits: Upper - Na % Lower - Na %  
 Fire Extinguishing Media: Media Applicable To Surrounding Area Special  
 Fire-Fighting Procedures: None  
 Unusual Fire And Explosion Hazards: Fine metal particles can burn; hi conc. of metallic fumes is a possible hazard, molten metal may explode on contact with water; for these fires fighting should use dry powder /sand

### SECTION V - Health Hazard Data

Effects Of Overexposure: *If material turns to fume or dust will affect:*  
 Eye/Nose/Throat/Skin Irr; Anemia/Nausea/Lung  
 Edema/Emphysema/Pneumon/Carcinoma Medical  
 Primary Route(s) Of Entry: Eye/Skin/Ingest/Inhale

### SECTION VI - Reactivity Data



Stability: Stable hazardous polymerization: will not occur  
Conditions To Avoid: None  
Incompatibles: None  
Decomposition Products: None

#### **SECTION VII - Spill and Disposal Procedures**

Disposal Procedure: Material can be reclaimed for reuse  
Other precautions: Adequate ventilation and/or respiratory protection

#### **SECTION VIII - Protective Equipment**

Ventilation: General & local exhaust vent to keep dusts/fumes below TLV  
Eye Protection: Safety glasses with sideshields or goggles  
Skin Protection: May be necessary  
Other Equipment: Steel toed shoes with metatarsal guards; full protective clothing  
Hygienic Practices: None

#### **SECTION IX - Storage and Handling Precautions**

Special Precautions: Good housekeeping practices to prevent accumulations of dust

#### **SECTION X - Transportation Data and Additional Information**

N/A -----

#### **SECTION XI – Notes**

The properties mentioned in this document are typical values. Please be noted that such properties for the actual product may be different from the data sheet.