



Material Safety Data Sheet

SECTION I – General Information

Manufacturer's Name: Possehl Electronics NEA
 Address: Possehl building, 18 Ma Kok Street, Tsuen Wan, N.T., Hong Kong
 No. 1, Hong Liu Road, Futian Free Trade Zone, Shenzhen, China
 Telephone No.: 852-26978233
 Product Type: Lead frame with Silver plating
 Base Material: Alloy A194

SECTION II – Hazardous Ingredients

Threshold limit value (TLV) for constituent elements				OSHA	
Constituent	Element	CAS No.	Mass (%)	TWA (mg/m ³)	STEL (mg/m ³)
Copper	Cu	7440-50-8	Balance	0.10 (Fume) 1.00 (Dust)	-
Chromium	Cr	7440-47-3	<0.01	1.00	-
Iron	Fe	1309-37-1	2.100-2.600	10.00 (Oxide Fume)	-
Lead	Pb	7439-92-1	<0.01	0.50 (Fume)	-
Phosphorus	P	7723-14-0	0.015-0.150	0.1	0.3
Zinc	Zn	7440-66-6	0.050-0.200	5.0 (Fume)	-
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. 1082°C
 Vapor Density(Air=1): N/A
 Specific Gravity: N/A Evaporation Rate: N/A
 Solubility(H2O): N/A
 % Volatiles By Volume: N/A
 Appearance & Odor: Glossy Red with Silver plating

SECTION IV – First Aid Measures

Eyes Contact: Immediately flush out fume and dust particles with large amounts of water at least 15 minutes
 Skin Contact: If exposed to dust or fumes, wash skin with plenty of water
 Inhalation: Remove individual to fresh air
 Ingestion: If dust is ingested, immediately drink water to dilute



Note to Physicians: There is no specific antidote
Use symptomatic treatment

SECTION V - 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 VI - 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/Pneumonia/Carcinoma Medical
Primary Route(s) Of Entry: Eye/Skin/Ingest/Inhale

SECTION VII - Reactivity Data

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

SECTION VIII - Toxicological Information

Oral LD₅₀: Believed to be > 5g/kg
Dermal LD₅₀: Believed to be > 2g/kg
Inhalation LC₅₀: Believed to be slightly to moderately toxic
Irritation: Eye and respiratory irritant sensitizer
Chronic Toxicity: No information for product
Carcinogenicity: None
Mutagenicity: This product is not known or reported to be mutagenic
Reproductive Effects: This product is not known or reported to cause reproductive effects

SECTION IX - Ecological Information

No data is available on this product for ecotoxicity

SECTION X - Spill and Disposal Procedures

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



SECTION XI - 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 XII - Storage and Handling Precautions

Special Precautions: Good housekeeping practices to prevent accumulations of dust

SECTION XIII - Transportation Data and Additional Information

N/A -----

SECTION XIV - Regulatory Information

N/A -----

SECTION XV - 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.

This information provided in this Safety Data Sheet is correct to best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, storage, transportation, disposal and is not to be considered a warranty or quality specification.