

**R97 SAFETY DATA SHEET****SECTION 1. IDENTIFICATION**

Product/Trade Name: MPK – Tin/Bismuth/Copper/Silver  
 Recommended Use: Industrial or Professional

Info furnished by: RotoMetals, Inc  
 865 Estabrook St  
 San Leandro, Ca 94577  
 Ph: 800.779.1102  
 Fx: 888.779.1102

Emergency Telephone Number  
 Poison Control: 1-800-222-1222

**SECTION 2. HEALTH HAZARDS DATA**

**Signal Word:** N/A

**Hazard Statements:** Not classified as toxic or hazardous.

**Precautionary Statements:** Avoid breathing dust or fumes. Use only in well ventilated area.  
 Wash hands thoroughly after handling. Dispose of in accordance with local and federal regulations.

**SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS**

ELEMENT	CAS	%WT	Carcinogen	TLV/TWA	OSHA PEL ACGIH/ OSHA
*Tin	7440-31-5	95-98	No	2.0 mg/cu m	2.0 mg/cu m
*Bismuth	7440-69-9	0-4	No	NE	NE
*Copper	7440-50-8	0-2	No	0.2 mg/cu m	0.01 mg/cu m (fume)
*Silver	7440-22-4	0-2	No	0.01 mg/cu m	0.01 mg/cu m

\*Product contains one or more of these metallic elements in varying percentages by

weight. **SECTION 4. FIRST-AID MEASURES**

**Eye Contact:** Check for and remove any contact lenses. Do not use an eye ointment. Seek medical attention.

**Skin Contact:** After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.

**Inhalation:** Allow the victim to rest in a well ventilated area. Seek immediate medical attention.

**Ingestion:** Do not induce vomiting. Loosen tight clothing. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.

Safety Data Sheet Page 2 of 3 MPK

### **SECTION 5. FIRE-FIGHTING MEASURES**

Use special mixtures of dry chemicals. Do not use water or moist sand. Fire fighters should wear self-contained breathing apparatus and protective clothing.

### **SECTION 6. ACCIDENTAL RELEASE MEASURES**

No special precautions are necessary for spills of bulk material. If large quantities of dust are spilled, remove by vacuuming with a "Hepa" filter or wet sweeping to prevent heavy concentrations of airborne dust. Clean-up personnel should wear respirators and protective clothing.

Metal can be reclaimed for refuse. Follow federal, state, and local regulations regarding disposal.

### **SECTION 7. HANDLING AND STORAGE**

Store material away from incompatible materials, and keep dust away from sources of ignition.

### **SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

Use general and local exhaust ventilation to keep airborne concentrations of dust or fume below the TLV. Employees should wear OSAH or NIOSH approved respirators for protection against airborne dust or fumes. Full protective clothing should be worn by workers exposed to heavy concentrations of dust, and showering should be required before changing into street clothes. Gloves and barrier creams may be necessary to prevent skin sensitization and dermatitis. Approved safety glasses or goggles should be worn when working with dusty material and molten metal. Safety stations should be provided in close proximity to work areas.

### **SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Melting Point 428 - 446° F depending on composition Boiling Point  
4100° F

Vapor Pressure Not Volatile

Vapor Density (air is 1) Not Volatile

Solubility in Water NIL

Appearance & Color Silver to gray metal

Specific Gravity g/cc 7-11 approx. depending on composition Odor  
None

% Volatile Nil  
pH N/A  
Evaporation N/A  
Safety Data Sheet Page 3 of 3 MPK

### **SECTION 10. STABILITY AND REACTIVITY**

Massive material is stable at ordinary temperatures, but dust presents moderate fire and explosion hazards. Material may be incompatible with acids, bases, and oxidizers. Molten metal may react violently with water. For additional information, users should consult data sheets on individual component elements.

### **SECTION 11. TOXICOLOGICAL INFORMATION**

Inhalation – May be harmful if inhaled. Causes respiratory tract irritation. Ingestion – May be harmful if swallowed  
Skin – May be harmful if absorbed through skin. Causes skin irritation. Eyes – Causes eye irritation

### **SECTION 13. DISPOSAL CONSIDERATIONS**

Metal can be claimed for refuse. Follow Federal, State, and local regulations regarding disposal

### **SECTION 16. OTHER INFORMATION**

This fact sheet was prepared by Hallmark Metals Corporation. The information recommendations and suggestions were compiled from reference materials and other sources believed to be reliable. However, the fact sheets' accuracy or completeness is not guaranteed by Hallmark Metals Corporation, nor is any responsibility assumed or implied for any loss or damage resulting from inaccuracies or omissions. Appropriate warnings and safe handling procedures should be provided to handlers and users. No warranty is implied or expressed regarding the accuracy of this data. Liability is expressly disclaimed for loss or injury arising out of use of this information or the use of any materials designated.

Revision Date: 4.1.2022

END OF SDS