

# MATERIAL SAFETY DATA SHEET

**PARKER HANNIFIN CORPORATION  
CHOMERICS DIVISION  
TECKNIT BUSINESS UNIT  
77 DRAGON COURT  
WOBURN, MA 01888  
TEL: 781-935-4850**

24-HR. EMERGENCY ASSISTANCE

## Transportation Emergency

Call CHEMTREC:

Domestic: (800) 424-9300

International: (703) 527-3887

## SECTION 1 PRODUCT IDENTIFICATION

Product Name: **Beryllium Copper EMI Shielding Fingerstock Gaskets (P/C 55)**

General Chemical Description: Metal solid article.

## SECTION 2 COMPOSITION INFORMATION

<u>Components &amp; CAS. No.</u>	<u>Weight %</u>	<u>Exposure Limits</u>
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This product is a solid metal article. The ingredients listed below are encapsulated within the matrix, therefore, no exposure to these materials is expected during proper use/handling of this product.		
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Copper 7440-50-8	> 95	OSHA PEL TWA: 1 mg/m <sup>3</sup> , OSHA PEL FUME: 0.02 mg/m <sup>3</sup> ; ACGIH TLV TWA: 1 mg/m <sup>3</sup> .
Beryllium 7440-41-7	< 5	OSHA PEL TWA: 0.002 mg/m <sup>3</sup> , OSHA CEILING: 0.005 mg/m <sup>3</sup> , OSHA PEAK: 0.025 mg/m <sup>3</sup> ; ACGIH TLV TWA: 0.002 mg/m <sup>3</sup> , ACGIH STEL: 0.01 mg/m <sup>3</sup>
Cobalt 7440-48-4	<0.5	OSHA PEL TWA: 0.1 mg/m <sup>3</sup> ; ACGIH TLV TWA: 0.02 mg/m <sup>3</sup> .

Note: This product may be supplied with a pressure sensitive adhesive (PSA) coating. A release liner covering the adhesive protects against skin contact with the adhesive. No exposure limits have been established.

## SECTION 3 HAZARDS IDENTIFICATION

Emergency Overview: Brass colored solid article with no odor. Refer to other sections of the MSDS for more detailed information.

## Beryllium Copper EMI Shielding Fingerstock Gaskets (P/C 55)

HMIS Rating: Health: 1 Flammability: 0 Reactivity: 0

Routes of Entry: Ingestion.

### Acute Effects

Eye: Nonirritating under normal conditions of use.

Skin: Nonirritating under normal conditions of use.

Inhalation: Nonirritating under normal conditions of use.

Ingestion: Harmful if swallowed.

Chronic Effects: No chronic exposure anticipated under proper use/handling of this solid article.

Special Condition Effects: This product is a solid metal article. The ingredients listed below are encapsulated within the matrix, therefore, no exposure to these materials is expected during proper use/handling of this product. However, if the product is processed in a manner that generates dusts, mists or fumes then the toxicity information below would apply:

Inhaling particulate containing beryllium may cause a serious, chronic lung disease called chronic beryllium disease (CBD) in some individuals. Over time this lung disease can be fatal. CBD is a hypersensitivity or allergic condition in which the tissues of the lungs become inflamed, sometimes scarring and restricting the exchange of oxygen between the lungs and bloodstream.

Repeated exposure to cobalt may cause allergic respiratory reaction (asthma). Chronic inhalation of particulate may lead to restricted pulmonary function and lung fibrosis (scarring). Repeated exposure may cause sensitization dermatitis.

Aggravated Medical Conditions: No data is available for this article.

## **SECTION 4 FIRST AID MEASURES:**

Handle in accordance with good industrial hygiene and safety practices by avoiding unnecessary exposure and by removing material from the eyes, skin and clothing.

Eye: No first aid should be necessary. Get medical attention if irritation occurs.

Skin: No first aid should be necessary. Wash area thoroughly with soap and water. Get medical attention if irritation occurs.

Inhalation: No first aid should be necessary. Get medical attention if irritation occurs or breathing becomes difficult.

Ingestion: Get medical attention. Never give anything by mouth to an unconscious, drowsy or convulsing person.

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### SECTION 5 FIRE FIGHTING MEASURES

Flash Point: Not Applicable.  
Autoignition Temp.: Not Applicable.  
Flammable Limits: Not Applicable.

Extinguishing Media: Do not use water to extinguish fires around operations involving molten metal due to the potential for steam explosions.

Fire Fighting Procedures: Use self-contained breathing apparatus and protective clothing. If large quantities of material are involved, evacuate area and fight fire from a safe distance.

Unusual Fire Hazards: Not applicable.

### SECTION 6 ACCIDENTAL RELEASE MEASURES

Spill response operations must be conducted in accordance with the provisions of 29 CFR 1910.120. Observe all recommendations identified in Sections 5 and 8.

Procedures: Sweep or pick up and place in containers for reuse or disposal. Observe all applicable local, state and federal waste management regulations

### SECTION 7 HANDLING AND STORAGE

Handling: Avoid contact with eyes. Avoid prolonged or repeated skin contact. Avoid exposure by inhalation. Wash thoroughly after handling and before eating, drinking or smoking. Use with adequate ventilation.

Storage: Store in a cool dry location with adequate ventilation. Keep away from open flame and heat sources. Prevent contact and storage with incompatible materials.

### SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

The recommendations described in this section are provided as general guidance for minimizing exposure. Because usage conditions vary with customer applications, specific exposure controls should be developed by a person knowledgeable in the intended usage condition and equipment.

Ventilation: Local exhaust ventilation is not required. However, if the product is processed in a manner that generates dusts, mists or fumes, provide ventilation to control airborne levels of Section 2 ingredients below their exposure limits.

Eyes: Wear safety eye wear including safety glasses with side shields.

Skin: Wear protective gloves to minimize skin contact. Wash thoroughly after handling and before eating, drinking or smoking.

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Inhalation: Respiratory protection is not required. However, if the product is processed in a manner that generates dusts, mists or fumes, conduct air monitoring to assess the need for respiratory protection. Respiratory protection programs must comply with 29 CFR 1910.134.

### SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Physical Form: Brass colored solid with no odor.  
Specific Gravity: 8 approx.  
Boiling Point : Not Established.  
Vapor Pressure (25°C): Not Established.  
Vapor Density: Not Established.  
Solubility in Water: Insoluble.  
Volatile Content (Wt%): Not Established.

### SECTION 10 STABILITY AND REACTIVITY

Chemical Stability: Stable.  
Hazardous Polymerization: Will not occur.

Condition to Avoid: Avoid storage in open containers, exposure to open flame or exposure to incompatible substances.

Incompatibilities: Strong acids, bases, powdered aluminum and chlorinated hydrocarbons.

Hazardous Decomposition: Thermal or chemical decomposition may produce metal oxide fumes.

### SECTION 11 TOXICOLOGY INFORMATION

All available toxicology information has been provided in Section 3 of this document.

### SECTION 12 ECOLOGICAL INFORMATION

No data on ecological effects is available.

### SECTION 13 DISPOSAL INFORMATION

Since regulations vary, consult applicable regulations or authorities before disposing of this material.

### SECTION 14 TRANSPORTATION INFORMATION

This product is not regulated as a hazardous material by the U.S. Department of Transportation.

### SECTION 15 REGULATORY AND MISCELLANEOUS INFORMATION

TSCA: All components of this product are listed on the TSCA inventory.

SARA 313 Chemicals: Copper 7440-50-8 Beryllium 7440-41-7 Cobalt 7440-48-4

## **Beryllium Copper EMI Shielding Fingerstock Gaskets (P/C 55)**

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Prepared By: Chomerics Safety Department

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