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## Canadian Workplace Hazardous Materials Information System Material Safety Data Sheet

### I. PRODUCT IDENTIFICATION

**Product Name:** PC 101C ULTRA COPPER SENSOR SAFE HIGH TEMP RTV 300 ML  
**Item No:** 82751  
**Product Type:** Silicone

### II. COMPOSITION/INFORMATION ON INGREDIENTS

Component	Weight%	LD50/oral/rat	LC50/inhalation/rat	ACGIH; TLV-TWA
POLY (DIMETHYLSILOXANE), HYDROXY TERMINATED 70131-67-8	50-70	>40,000 mg/kg	>535 mg/l	
POLYDIMETHYLSILOXANE 63148-62-9	20-40	>17 g/kg	not available	
MODIFIED SILICON DIOXIDE 68611-44-9	<10	not available	not available	
VINYL OXIMINOSILANE 2224-33-1	<7	not available	not available	
IRON OXIDE 1309-37-1	<3	>10000 mg/kg	not available	5 mg/m <sup>3</sup>
SILICA, MICA 12001-26-2	<3	not available	not available	3 mg/m <sup>3</sup>
2-BUTANONE OXIME 96-29-7	0.5-2.0	930 mg/kg	20 mg/L/4H	

### III. PHYSICAL DATA

**Physical State/Appearance:** Copper-colored paste  
**Odour & Odour Threshold:** Mild odour  
**Specific Gravity:** 1.05  
**Evaporation Rate:** Not determined  
**Vapour Pressure:** <5 mmHg @ 21°C  
**Vapour Density:** Approximately 3  
**Freezing Point:** Not determined  
**pH:** 7-8  
**Octanol/Water Coefficient:** Not determined  
**Boiling Point:** Not applicable, Polymeric

### IV. FIRE AND EXPLOSIVE DATA

**Recommended Extinguishing Media:** Carbon Dioxide, Dry Chemicals, Foam.  
**Hazardous Combustion Products:** Formaldehyde, silica fume, oxides of carbon, Oxides of nitrogen, methyl ethyl ketone, possibly methyl ethyl ketoxime.  
**Sensitivity to Static Discharge:** Sensitivity to static discharge is not expected.  
**Conditions of Flammability:** None anticipated.  
**Flash Point/Range:** >95°C COC  
**Autoignition Temperature:** Not determined  
**Upper Explosive Limit:** Iron Oxide: 12.5%  
**Lower Explosive Limit:** Iron Oxide: 2.6%

### V. REACTIVITY DATA

**Conditions Causing Chemical Instability:** None  
**Materials to avoid:** Polymerization can occur, Strong oxidizing agents, Water, Acids  
**Conditions of Reactivity:** None  
**Hazardous Decomposition Products:** Carbon oxides, Oxides of nitrogen, Silicon oxides, Methyl ethyl ketoxime, Formaldehyde

## **VI. HAZARDS IDENTIFICATION**

**Primary Routes of Exposure:** Eye and skin contact, ingestion, inhalation  
**Existing Conditions Aggravated by Exposure:** Preexisting eye, skin and respiratory disorders  
**Toxicity Information:** (See Effects of Acute Exposure to Product)  
**Effects of Acute Exposure:** Moderately toxic if swallowed. Irritating to mouth, throat and stomach with nausea.  
**Effects of Chronic Exposure:** See (Effects of Acute Exposure to Product). Note: This product does not contain microcrystalline silica.  
**Irritancy of Product:** 2-Butanone oxime vapors produced during cure are toxic and irritate eyes, nose and throat.  
**Sensitization to Product:** (See Effects of Acute Exposure to Product)  
**Carcinogenicity:** (See Effects of Chronic Exposure to Product)  
**Reproductive Toxicity:** (See Effects of Chronic Exposure to Product)  
**Teratogenicity:** (See Effects of Chronic Exposure to Product)  
**Mutagenicity:** (See Effects of Chronic Exposure to Product)  
**Toxicologically Synergistic Products:** None known  
**WHMIS Hazard Class:** Non-controlled

## **VII. PREVENTATIVE MEASURES**

**Personal Protection**  
**Eyes:** Safety glasses.  
**Skin:** Neoprene or nitrile gloves recommended.  
**Ventilation:** General; local exhaust ventilation as necessary to control any air contaminants to within their exposure limits (or to the lowest feasible levels when limits have not been established) during the use of this product.  
**Engineering Controls:** In case of insufficient ventilation, wear an organic vapor respirator.  
**Spill Procedures:** Wipe or scrape up spill material. Maintain good ventilation for large spills. Place scrap material in a well-ventilated area and allow to cure to rubber. Clean up spills thoroughly as residue is slippery.  
**Protection of Man and Environment:** Follow Canadian and local regulations for disposal.  
**Handling Procedures and Equipment:** Store in a dry area below 35°C. Keep container closed when not in use.  
**Special Handling Information:** Avoid prolonged breathing of vapor. Keep away from eyes. Avoid prolonged contact with skin. Do not smoke while using. Wash hands after use. Do not wear contact lenses.  
**Comments:** When heated to temperatures above 300 degrees F. in the presence of air, this product can form formaldehyde vapors. Formaldehyde is a potential cancer hazard and a known skin and respiratory sensitizer. Safe handling conditions may be maintained by keeping vapor concentrations below the OSHA permissible limit for formaldehyde

## **VIII. FIRST AID MEASURES**

**Ingestion:** Rinse mouth. If swallowed, DO NOT induce vomiting. Keep individual calm. Obtain medical attention.  
**Inhalation:** Move to fresh air in case of accidental inhalation of vapours. Obtain medical attention.  
**Skin Contact:** Wipe off material with paper towel or cloth. Wash off with soap and water. If skin irritation persists, call a physician.  
**Eye Contact:** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

## **IX. SHIPPING INFORMATION**

### **Canadian Transportation of Dangerous Goods**

**Proper Shipping Name:** Not regulated  
**Hazard Class:** None  
**UN/ID No:** None

### **IATA**

**Proper Shipping Name:** Not regulated  
**Class or Division:** None  
**UN/ID Number:** None

### **IMDG**

**Proper Shipping:** Not regulated  
**Hazard Class:** None  
**UN Number:** None

## **X. PREPARATION INFORMATION**

**Estimated HMIS Classification:** HEALTH 1, FLAMMABILITY 1, PHYSICAL HAZARD 0  
HMIS is a registered trademark of the National Paint and Coatings Assn.

**Estimated NFPA Rating:** HEALTH 1, FLAMMABILITY 1, REACTIVITY 0

**Product Name: PC 101C ULTRA COPPER SENSOR  
SAFE HIGH TEMP RTV 300 ML**

**Item No: 82751**

**X. PREPARATION INFORMATION**

NFPA is a registered trademark of the National Fire Protection Assn.

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**Revision Number:** 2

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