

Permatex Canada, Inc.  
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## Canadian Workplace Hazardous Materials Information System Material Safety Data Sheet

### I. PRODUCT IDENTIFICATION

Product Name: 84114 PC PERMAPOXY 5 MIN.GENERAL PURPOSE EPOXY PART 1 14ML  
Item No: VC1233F  
Product Type: Epoxy resin

### II. COMPOSITION/INFORMATION ON INGREDIENTS

Component	Weight%	LD50/oral/rat	LC50/inhalation/rat	ACGIH; TLV-TWA
BISPHENOL A/EPICHLOROHYDRIN BASED EPOXY RESIN 25068-38-6	>90	11400 mg/kg	not available	

### III. PHYSICAL DATA

Physical State/Appearance: Clear liquid  
Odour & Odour Threshold: Slight odour  
Specific Gravity: 1.17  
Evaporation Rate: <1 (butyl acetate = 1)  
Vapour Pressure: <0.1 mm Hg  
Vapour Density: >1 (air =1)  
Freezing Point: Not determined  
pH: Neutral  
Octanol/Water Coefficient: Not determined  
Boiling Point: >260 degrees C.

### IV. FIRE AND EXPLOSIVE DATA

Recommended Extinguishing Media: Carbon Dioxide, Dry Chemicals, Foam.  
Hazardous Combustion Products: Carbon monoxide, aldehydes, acids and other organic substances may be formed during combustion or elevated temperatures (260 degrees C.)  
Sensitivity to Static Discharge: Sensitivity to static discharge is not expected  
Conditions of Flammability: Heating above 150C in the presence of air may cause slow oxidative decomposition and above 260C may cause polymerization.  
Flash Point/Range: >200°C PMCC  
Autoignition Temperature: Not determined  
Upper Explosive Limit: Not determined  
Lower Explosive Limit: Not determined

### V. REACTIVITY DATA

Conditions Causing Chemical Instability: Stable under normal conditions of use  
Materials to avoid: Incompatible with strong bases and oxidizing agents, Acids  
Conditions of Reactivity: Avoid excessive heat, sparks and open flame.  
Hazardous Decomposition Products: Carbon oxides, Aldehydes, Organic acid vapors

### 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: . May cause skin sensitization. May cause nausea, vomiting, pain and stomach upset (i.e., diarrhea).  
Effects of Chronic Exposure: Estimated dermal toxicity in rabbits is 20,000 mg/kg. Estimated oral LD50 greater than 11.4 g/kg. May cause an allergic skin reaction.  
Irritancy of Product: Overexposure may cause eye and skin redness. Vapours may cause drowsiness or dizziness.  
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)

**Product Name:** 84114 PC PERMAPOXY 5  
MIN.GENERAL PURPOSE EPOXY  
PART 1 14ML

**Item No:** VC1233F

## **VI. HAZARDS IDENTIFICATION**

**Teratogenicity:** (See Effects of Chronic Exposure to Product)  
**Mutagenicity:** (See Effects of Chronic Exposure to Product)  
**Toxicologically Synergistic Products:** None known  
**WHMIS Hazard Class:** D2B TOXIC MATERIALS

## **VII. PREVENTATIVE MEASURES**

**Personal Protection**

**Eyes:** Safety glasses.  
**Skin:** Neoprene or nitrile gloves recommended. Wash contaminated clothing before re-use.  
**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:** Eliminate all sources of ignition. Maintain good ventilation. Take up with an inert absorbent. Store in a closed waste container until disposal. Prevent from entering waterways or sewers.

**Protection of Man and Environment:** Follow Canadian and local regulations for disposal.

**Handling Procedures and Equipment:** Avoid breathing vapours. Use good personal hygiene. Avoid smoking, eating or drinking during use. Wash with soap and water after handling.

**Special Handling Information:** Store in a cool, dry, well-ventilated area. Avoid contact with skin and eyes.

## **VIII. FIRST AID MEASURES**

**Ingestion:** If swallowed, DO NOT induce vomiting. Keep individual calm. Obtain medical attention.  
**Inhalation:** Move to fresh air in case of accidental inhalation of vapours. If symptoms persist, call a physician.  
**Skin Contact:** Wash off with soap and water. Rinse immediately with plenty of water for at least 15 minutes. If skin irritation persists, call a physician. Wash contaminated clothing before re-use.  
**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 2, FLAMMABILITY 1, PHYSICAL HAZARD 0  
HMIS is a registered trademark of the National Paint and Coatings Assn.

**Estimated NFPA Rating:** HEALTH 2, FLAMMABILITY 1, REACTIVITY 0  
NFPA is a registered trademark of the National Fire Protection Assn.

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**Company:**  
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**Revision Number:** 5

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