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

### I. PRODUCT IDENTIFICATION

**Product Name:** PC LIQUID ELECTRICAL TAPE 118 ML  
**Item No:** 85121  
**Product Type:** Adhesive

### II. COMPOSITION/INFORMATION ON INGREDIENTS

Component	Weight%	LD50/oral/rat	LC50/inhalation/rat	ACGIH; TLV-TWA
METHYL ETHYL KETONE (BUTANONE) 78-93-3	30-50	2737 mg/kg	32 g/m <sup>3</sup> /4H	200 ppm
XYLENE 1330-20-7	10-30	4300 mg/kg	5000 ppm/4H; 47635 mg/L/4H	100 ppm
ACETONE 67-64-1	5-20	5800 mg/kg	not available	500 ppm

### III. PHYSICAL DATA

**Physical State/Appearance:** Black liquid  
**Odour & Odour Threshold:** Solvent odour  
**Specific Gravity:** 0.97  
**Evaporation Rate:** Faster than ether  
**Vapour Pressure:** Not determined  
**Vapour Density:** Heavier than air  
**Freezing Point:** Not determined  
**pH:** Does not apply  
**Octanol/Water Coefficient:** Not determined  
**Boiling Point:** 55°C - 232°C

### IV. FIRE AND EXPLOSIVE DATA

**Recommended Extinguishing Media:** Carbon dioxide, Water, Dry chemical, Alcohol foam  
**Hazardous Combustion Products:** Oxides of carbon, Oxides of nitrogen, Hydrogen chloride  
**Sensitivity to Static Discharge:** Sensitivity to static discharge is expected; material has a flash point below 93°C.  
**Conditions of Flammability:** FLAMMABLE: Keep from heat and open flame. Keep containers cool.  
**Flash Point/Range:** 16°C CC  
**Autoignition Temperature:** Not determined  
**Upper Explosive Limit:** 11.5%  
**Lower Explosive Limit:** 0.3%

### V. REACTIVITY DATA

**Conditions Causing Chemical Instability:** None  
**Materials to avoid:** Strong oxidizing agents, Strong bases, Acids, Alkalies, Amines  
**Conditions of Reactivity:** Avoid excessive heat, sparks and open flame  
**Hazardous Decomposition Products:** Carbon oxides, Oxides of nitrogen, Hydrogen chloride, Acetic acid

### VI. HAZARDS IDENTIFICATION

**Primary Routes of Exposure:** Eye and skin contact, ingestion, inhalation  
**Existing Conditions Aggravated by Exposure:** Methyl ethyl ketone: Eye, skin and respiratory diseases Acetone: Lung and other respiratory diseases, eye, skin and central nervous system problems  
**Toxicity Information:** (See Effects of Acute Exposure to Product)

**VI. HAZARDS IDENTIFICATION**

**Effects of Acute Exposure:** . Prolonged and repeated exposure may dry the skin. Symptoms may include redness, burning, drying and cracking. Preexisting skin disorders may be aggravated by exposure. Skin absorption is possible, but harmful effects are not expected under normal conditions of use. Overexposure by inhalation may cause nasal and respiratory irritation, central nervous system affects, dizziness, drowsiness, weakness, fatigue, nausea, headache and possible unconsciousness. Intentionally concentrating and inhaling the vapor may be harmful or fatal. This material can enter the lungs during swallowing or vomiting and cause lung inflammation and/or damage. Aspiration into the lungs can cause pneumonia which can be fatal.

**Effects of Chronic Exposure:** Reports have associated repeated and prolonged overexposure to solvents with permanent brain damage and nervous system damage. This material (or a component) has been shown to cause harm to the fetus in laboratory animal studies. This material (or a component) shortens the time of onset or worsens the liver and kidney damage induced by other chemicals. Overexposure to methyl ethyl ketone and n-hexane may cause peripheral nerve damage (that of arms and legs) and result in muscular weakness and loss of sensation.

**Irritancy of Product:** Skin: Exposure may cause mild skin irritation. Prolonged or repeated exposure may dry the skin. Symptoms may include redness, burning, drying, cracking and skin burns. Preexisting skin disorders may be aggravated by exposure to this material. Skin absorption is possible, but harmful effects are not expected from this route of exposure under normal conditions of handling and use. Breathing: Symptoms are typically seen at air concentrations exceeding the recommended exposure limits. Symptoms of exposure may include: 1) Nasal and respiratory irritation (nose, throat and lung), preexisting lung disorder, e.g. asthma-like conditions, may be aggravated by exposure to this material. 2) Central nervous system (CNS) depression effects; dizziness, drowsiness, weakness, fatigue, nausea, headache, possible unconsciousness, coma and even death. 3) Cardiac arrhythmias (irregular heartbeat). 4) Cough. Swallowing: This material can enter the lungs during swallowing or vomiting and cause lung inflammation and/or damage. Aspiration of material into the lungs can cause chemical pneumonia which can be fatal. Symptoms may include: 1) throat irritation, 2) gastrointestinal irritation (nausea, vomiting, diarrhea), 3) central nervous system depression; dizziness, drowsiness, weakness, fatigue, nausea, headache, possible unconsciousness, coma and even death, 4) high blood sugar. Eyes: Exposure to liquid or vapor causes mild eye irritation. Symptoms may include burning, tearing, redness, stinging, blurred vision and corneal injury.

**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:** B2 FLAMMABLE LIQUIDS, D2A VERY TOXIC MATERIALS, D2B TOXIC MATERIALS

**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. In case of insufficient ventilation, wear an organic vapor respirator.

**Engineering Controls:** Eliminate all sources of ignition. Use only non-sparking tools. Use an NIOSH-approved respirator where occupational exposure limits may be exceeded. Maintain good ventilation. Take up with an inert absorbent.

**Spill Procedures:** 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:** Flammable. Store away from heat, sparks and open flame. Store at temperatures below 50°C. Use with adequate ventilation. Avoid breathing vapours. Use good personal hygiene. Avoid smoking, eating or drinking during use. Wash with soap and water after handling.

**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. Keep away from heat, sparks and open flame. Do not spray into eyes or onto skin. Keep away from children.

**VIII. FIRST AID MEASURES**

**Ingestion:** Do not induce vomiting. Slowly dilute with 1-2 glasses of water or milk and seek medical attention. Never give anything by mouth to an unconscious person.

**Inhalation:** Move to fresh air in case of accidental inhalation of vapours. Oxygen or artificial respiration if needed. Obtain medical attention.

**Skin Contact:** 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:** Adhesives (May qualify as a Consumer Commodity or Limited Quantity. Refer to TDG).

**Hazard Class:** Class 3; PGII

**Product Name:** PC LIQUID ELECTRICAL TAPE 118 ML

**Item No:** 85121

## **IX. SHIPPING INFORMATION**

**UN/ID No:** UN 1133

### **IATA**

**Proper Shipping Name:** Consumer Commodity (Not more than 500 ml)

**Class or Division:** Class 9

**UN/ID Number:** ID 8000

### **IMDG**

**Proper Shipping:** Adhesives containing flammable liquid, Limited Quantity

**Hazard Class:** Class 3, PG II

**UN Number:** UN 1133

## **X. PREPARATION INFORMATION**

**Estimated HMIS Classification:** HEALTH 2, FLAMMABILITY 3, PHYSICAL HAZARD 0

HMIS is a registered trademark of the National Paint and Coatings Assn.

**Estimated NFPA Rating:** HEALTH 2, FLAMMABILITY 3, REACTIVITY 0

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

**Prepared By:** Denise Boyd, Manager-Environmental, Health & Safety

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**Company:**

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