

# Material Safety Data Sheet

HALT

DATE: January 1, 2015

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## Section 1 – Material Identification

**SUPPLIER'S NAME:** EVCOR SOLUTIONS INC.  
TORONTO, ONTARIO  
M5V 1T5

**PRODUCT:**  
**MATERIAL USE:** RUST EXTERMINATOR

**TELEPHONE:** (800) 860-1537  
**FAX:** (800) 831-5104  
**CANUTEC:** (613) 996-6666

**WHMIS CLASSIFICATION:** CLASS A, CLASS D-DIV 2A PLUS  
DIV 2B

**HEALTH:** 1  
**PERSONAL PROTECTION:** B  
**REACTIVITY:** 0  
**FIRE:** Flammable Spray

(CLASSIFICATIONS: 0 = MINIMAL 1 = SLIGHT 2 = MODERATE 3 = SERIOUS 4 = EXTREME)

## Section 2 – Hazardous Ingredients of Materials

Chemical Identity	CAS Number	%	LD50/LC50
ETHANOL	64-17-5	30-60	1000 ppm TWA 3450 mg/kg ORAL RAT 31623ppm 4hr
PROPYLENE GLYCOL	107-98-2	1-5	1000 ppm TWA 5660 mg/kg ORAL RAT 15000ppm 4hr
PENT-(M DLGALLOYL) GLUCOSE	1405-55-4	1-5	2300 MG/KG ORAT RAT N/A
LIQUID PETROLEUM GAS	68476-85-7	10-30	1000 ppm TWA

## Section 3 – Physical Data for Material

**PHYSICAL STATE (GAS/LIQUID/SOLID):** Aerosol Concentrate  
**ODOUR/APPEARANCE:** Dark liquid, mild odour  
**ODOUR THRESHOLD (PPM):** N/A  
**SPECIFIC GRAVITY:** 0.913

**VAPOUR PRESSURE (MM):** 50  
**VAPOUR DENSITY (AIR = 1):** >1  
**EVAPORATION RATE:** N/A  
**BOILING POINT (°C):** N/D  
**FREEZING POINT (°C):** N/A  
**SOLUBILITY IN WATER (20°C):** Slight  
**% VOLATILE (BY VOL.):** N/A  
**pH:** N/A

## Section 4 – Fire and Explosion Hazard

**FLAMMABILITY:** Yes  
**MEANS OF EXTINCTION:** Foam CO2 dry media  
**SPECIAL PROCEDURES:** Wear self contained breathing apparatus

**SENSITIVITY TO IMPACT:**  
**FLASHPOINT (°C) AND METHOD:** 25°C  
**UPPER EXPLOSION LIMIT (% BY VOL.):** N/A

**LOWER EXPLOSION LIMIT (% BY VOL.):** N/A  
**AUTO-IGNITION TEMP. (°C):**  
**TDG FLAMMABILITY CLASSIFICATION:**  
**HAZARDOUS COMBUSTION PRODUCTS:** N/A

## Section 5 – Reactivity Data

**CHEM. STABILITY:** Stable  
**INCOMPATIBILITY TO SUBSTANCES:** Strong oxidizing agents  
**REACTIVITY – CONDITIONS:** N/A  
**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon Dioxide, Carbon Monoxides

### Section 6 – Toxicological Properties

<p><b>ROUTE OF ENTRY</b></p> <p><b>SKIN CONTACT:</b> Yes  <b>EYE CONTACT:</b> Yes  <b>INHALATION:</b> Yes  <b>INGESTION:</b> Yes</p> <p><b>EFFECTS OF ACUTE EXPOSURE</b></p> <p><b>EYE:</b> May cause slight irritation</p> <p><b>SKIN:</b> Prolonged contact may cause irritation</p> <p><b>INGESTION:</b> Can cause Gastrointestinal irritation</p> <p><b>INHALATION:</b> Irritation to nasal and respiratory passages</p>	<p><b>EFFECTS OF CHRONIC EXPOSURE</b></p> <p><b>LD50/Species/Route of Entry:</b> N/A  <b>LC50/Species/Route of Entry:</b> N/A  <b>Irritancy of Product:</b> Hazardous by WHMIS criteria  <b>Exposure Limits:</b> N/A  <b>Sensitization to Product:</b> N/A  <b>Synergistic Materials:</b> N/A  <b>Carcinogenicity:</b> Non-Hazardous by WHMIS criteria  <b>Reproductive Effects:</b> Insufficient data available  <b>Teratogenicity:</b> Insufficient data available  <b>Mutagenicity:</b> Insufficient data available</p>
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### Section 7 – Preventive Measures

<p><b>PERSONAL PROTECTIVE EQUIPMENT</b></p> <p><b>GLOVES:</b> Latex rubber gloves  <b>RESPIRATORY:</b> Not normally required if good ventilation is maintained and exposure guidelines are not exceeded  <b>EYE:</b> Chemical splash goggles  <b>ENGINEERING CONTROLS:</b> General ventilation is normally adequate</p> <p><b>LEAK AND SPILL PROCEDURE:</b> Before attempting clean-up, refer to hazard data given above. Small spills may be absorbed with non-reactive absorbent and placed in suitable covered, labeled containers. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice.</p> <p><b>WASTE DISPOSAL:</b> Review federal, provincial and local government requirements prior to disposal</p> <p><b>HANDLING PROCEDURES/EQUIPMENT:</b> N/A</p> <p><b>SPECIAL SHIPPING INFORMATION:</b> N/A</p> <p><b>STORAGE REQUIREMENTS:</b> Store in a closed container. Store away from incompatible materials</p>
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### Section 8 – First Aid Measures

<p><b>SKIN:</b> Flush with water. Call a doctor if irritation develops  <b>EYE:</b> Flush with water  <b>INHALATION:</b> Remove to fresh air  <b>INGESTION:</b> DO NOT induce vomiting. Rinse mouth with water, then drink one glass of water  <b>GENERAL ADIVCE:</b> Keep away from children</p>
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NOTICE: INFORMATION CONTAINED IN THIS MSDS IS DRAWN FROM RELIABLE SOURCES. WE DO NOT ASSUME ANY LIABILITY IN CONNECTION WITH ITS INADEQUATE USE.