

**CANTHARONE<sup>®</sup>**  
**MATERIAL SAFETY DATA SHEET**

Effective Date: January / 2008

**SECTION I**

**PRODUCT NAME:** CANTHARONE<sup>®</sup> PLUS (Health Canada DIN 00772011) **SIZE:** 7.5ml  
**CHEMICAL NAME:**  
**FORMULA:** Mixture  
**MANUFACTURER:** Dormer Laboratories Inc. **ADDRESS:** 91 Kelfield St. # 5 Toronto, Ontario Canada M9W 5A3  
**FOR INFORMATION ON HEALTH HAZARDS CALL:** (416) 242-6167  
**POISON INFORMATION CENTER:** (416) 813-5900 1 (800) 268-9017 (Canada only)  
**FOR OTHER INFORMATION CALL:** (416) 242-6167

**SECTION II HAZARDOUS INGREDIENTS OF MIXTURES**

<b>PRINCIPAL HAZARDOUS COMPONENTS</b>	<b>Percent</b>	<b>TLV (units)*</b>
Acetone	17.0 %	1000 ppm
Ether	25.0 %	400 ppm
Alcohol	8.0 %	1000 ppm
Cantharidin	1.0 %	N/A
Salicylic acid:	31.0 %	N/A
Podophyllin	2.0 %	N/A

\*ACGIH 1978

**SECTION III PHYSICAL DATA**

**BOILING POINT:** < 176 F (<80 C) **SPECIFIC GRAVITY (H2O =1):** 0.98  
**VAPOR PRESSURE (mm Hg):** N/A **PERCENT VOLATILE:**  
**BY VOLUME (%):** 60  
**VAPOR DENSITY (Air=1):** N/A **EVAPORATION RATE:** N/A  
**SOLUBILITY IN WATER :** **Acetone:** Very **Ether:** Slight **Cantharidin:** Very Slight  
**Salicylic Acid:** Very slight **Podophyllin:** Very Slight  
**APPEARANCE AND ODOR:** Dark brown, viscous liquid; odor of Acetone and Ether

**SECTION IV FIRE AND EXPLOSION HAZARD DATA**

**FLASH POINT:** 1 F (-17 C) **FLAMMABLE LIMITS:** Mixture  
**EXTINGUISHING MEDIA:** CO2, dry chemical  
**SPECIAL FIRE FIGHTING PROCEDURES:** Wear self-contained breathing apparatus  
**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Treat as an extremely flammable liquid

## SECTION V HEALTH HAZARD DATA

**THRESHOLD LIMIT VALUE:** Acetone 1000 ppm

### EFFECTS OF OVEREXPOSURE:

**Acetone:** Breathing high vapor concentrations or prolonged exposure to vapors can cause irritation of the eyes, nose and throat and may cause headache, dizziness, nausea, and loss of consciousness.

**Ether:** Mildly irritating to skin, mucous membranes. Inhalation of high concentrations causes narcosis, unconsciousness. Death may occur due to respiration paralysis.

**Alcohol:** Nausea, vomiting, flushing, mental excitement or depression, drowsiness, impaired perception, incoordination, stupor, coma, death may occur.

**Cantharidin:** Skin contact causes blisters. Ingestion, absorption from mucous membranes or excessive skin contact causes severe gastroenteritis, nephritis, collapse. Death may occur.

**Toxicity:** Oral (humans) LD low 428 micrograms/kg.

**Salicylic acid:** Harmful if swallowed. May cause nausea, vomiting; ringing in the ears, dizziness, headache confusion, sweating, rapid pulse and breathing, dermatitis. **Toxicity:** Oral (humans) LD low 50 mg/kg

**Podophyllin:** No effects of over exposure are documented. **Toxicity:** LD low (IPR-RAT) 15 mg/kg

### EMERGENCY AND FIRST AID PROCEDURES:

**Eyes or mucous membranes:** Immediately flush with water, remove precipitated collodion and flush with water for an additional 15 minutes. Get medical attention!

**Skin:** Wash off at once with acetone, if available, then soapy water and rinse well. Remove contaminated clothing; handle carefully and wash before reusing.

**Inhalation:** Remove victim to fresh air. Give artificial respiration if not breathing. Get medical attention as needed.

**Ingestion:** Highly toxic; give large amounts of whole milk or dilute sodium bicarbonate in water; then induce vomiting by touching back of throat with finger. Repeat. Life threatening, get immediate medical attention.

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## SECTION VI REACTIVITY DATA

**Stability:** Stable **Conditions to avoid:** Heat, sparks, or open flame **Incompatibility:** Strong oxidizers

**Hazardous Decomposition Products:** Thermal decomposition or burning may produce carbon monoxide and/or carbon dioxide, NO<sub>x</sub>

**Hazardous Polymerization:** Will not occur

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## SECTION VII SPILL OR LEAK PROCEDURES

**Steps to be taken in case material is released or spilled:** Remove all sources of ignition. Wearing suitable protective clothing, absorb spilled material with commercially available inert absorbing material. Place in fibre carton. Incinerate. Wash spill area thoroughly with soap and water.

**Waste Disposal Method:** Wearing suitable protective clothing, incinerate. Federal, Provincial or State, and local laws take precedence.

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## SECTION VIII SPECIAL PROTECTION INFORMATION

**Respiratory Protection - Ventilation:** Local exhaust if NECESSARY. **Special:** No

**Mechanical (general):** Yes **Protective Gloves:** Yes **Eye Protection:** Yes **Other Protective Equipment:** No

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## SECTION IX SPECIAL PRECAUTIONS

**Precautions in handling and storing:** Store in a closed container away from heat, sparks and open flame. DO NOT GET IN EYES OR ON SKIN OR MUCOUS MEMBRANES.

**Other precautions:** Do not ingest.