

CANTHARONE[®] **MATERIAL SAFETY DATA SHEET**

Effective Date: January/2008

SECTION I

PRODUCT NAME: CANTHARONE[®] (Health Canada DIN 00619035) **SIZE:** 7.5ml
CHEMICAL NAME:
FORMULA: Mixture
MANUFACTURER: Dormer Laboratories Inc. **ADDRESS:** 91 Kelfield St. # 5 Rexdale, 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

PRINCIPAL HAZARDOUS COMPONENTS	Percent	TLV (units)*
Acetone	48.0 %	1000 ppm
Ether	35.5 %	400 ppm
Alcohol	12.0 %	1000 ppm
Cantharidin	0.7 %	N/A

*ACGIH 1978

SECTION III PHYSICAL DATA

BOILING POINT: > 176 F (>80 C) **SPECIFIC GRAVITY (H2O =1):** 0.81
VAPOR PRESSURE (mm Hg): N/A **PERCENT VOLATILE:**
BY VOLUME (%): 98
VAPOR DENSITY (Air=1): N/A **EVAPORATION RATE:** N/A
SOLUBILITY IN WATER : Acetone: Very Ether: Slight Cantharidin: Very Slight
APPEARANCE AND ODOR: Transparent to light yellow 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.

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.

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_x

Hazardous Polymerization: Will not occur

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.

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

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.