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CANTHARONE[®] PLUS MATERIAL SAFETY DATA SHEET

Effective Date: March 2011

SECTION I (CHEMICAL PRODUCT AND COMPANY IDENTIFICATION)

PRODUCT NAME: CANTHARONE[®] PLUS (Health Canada DIN 00772011) **SIZE:** 7.5mL
CHEMICAL NAME: Not Applicable
FORMULA: Mixture
MANUFACTURER AND SUPPLIER: 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
PRODUCT USE: CANTHARONE[®] PLUS is indicated for removal of warts especially plantar,
periungual and for resistant and heavily keratinized warts.
MSDS SHEET PREPARATION: Dormer Laboratories Inc. Phone number: (416) 242 6167
MSDS Date of Preparation: March 2011

SECTION II (COMPOSITION / INFORMATION ON INGREDIENTS)

HAZARDOUS INGREDIENTS: Acetone (33.3 % V/V), Salicylic Acid (30.0 % W/V), Ether (27.0 % V/V),
Alcohol (9 % V/V), Podophyllin (2.0 % W/V), Cantharidin (1 % W/V)

SECTION III (HAZARDS IDENTIFICATION)

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 µg/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

SECTION IV (FIRST AID MEASURES)

EMERGENCY AND FIRST AID MEASURES:

- 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 V (FIRE FIGHTING MEASURES)

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 VI (ACCIDENTAL RELEASE MEASURES)

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 fiber 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 VII (HANDLING AND STORAGE)

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.

SECTION VIII (EXPOSURE CONTROLS / PERSONAL PROTECTION)

Respiratory Protection – Ventilation: Local exhaust IF NECESSARY.

Mechanical (general): Yes **Special:** No

Protective Gloves: Yes **Eye Protection:** Yes **Other Protective Equipment:** No

SECTION IX (PHYSICAL AND CHEMICAL PROPERTIES)

BOILING POINT: < 176°F (< 80°C)

SPECIFIC GRAVITY (H₂O = 1): 0.98

VAPOR PRESSURE (mm Hg): Not Applicable

PERCENT VOLATILE BY VOLUME (%): 60

VAPOR DENSITY (Air = 1): Not Applicable

EVAPORATION RATE: Not Applicable

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 X (STABILITY AND REACTIVITY)

Stability: Extremely volatile

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 XI (TOXICOLOGICAL INFORMATION)

Poisonous: May be fatal if ingested.

Podophyllin is suspected of teratogenicity.

Residual pigment changes may occur.

SECTION XII (ECOLOGICAL INFORMATION)

Information not available

SECTION XIII (DISPOSAL CONSIDERATIONS)

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

SECTION XIV (TRANSPORT INFORMATION)

There is not specific recommendation for the transport of CANTHARONE[®] PLUS

SECTION XV (REGULATORY INFORMATION)

This product has been classified by Health Canada as a drug and obtained a Drug Identification Number (DIN 00772011).

SECTION XVI (OTHER INFORMATION)

The information herein is believed to be correct as of the date hereof, but is provided without warranty of any kind. (Cantharone[®] Plus is a registered Trade mark of Dormer Laboratories Inc.)