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Item# 0395-2281
Podophyllum Resin

Date Prepared: 04/10/07

SECTION 1 PRODUCT IDENTIFICATION

Product Name: Podophyllum Resin **TSCA:** Not on the TSCA list.

Common Synonyms: Not available. **CAS No.:** 9000-55-9

Chemical Family: Not Available. **Formula:** Not available.

Emergency Telephone Numbers:

Humco Holding Group 800-662-3435
Chemtrec 800-424-9300

SECTION 2 COMPONENTS

| Components | CAS No. | % by Wt. |
|-------------------|-----------|----------|
| Podophyllum Resin | 9000-55-9 | 100 |

Toxicological Data on Ingredients: Oral (LD50): Acute: 50 mg/kg (mouse)

SECTION 3 HAZARDS IDENTIFICATION

Potential Acute Health Effects: Extremely dangerous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation. Severe over-exposure can result in death. Can be fatal in inhaled or ingested. This product may irritate eyes and skin upon contact. Redness, watering, and itching characterize inflammation of the eye. Skin inflammation is characterized by itching, scaling, reddening, or occasionally, blistering.

Potential Chronic Health Effects: Extremely dangerous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation.

Carcinogenic Effects: Not available.

Mutagenic Effects: Not available.

Teratogenic Effects: Not available. The substance is toxic to lungs, the reproductive system, mucous membranes. Repeated or prolonged exposure to the substance can produce target organs damage. Repeated exposure to an highly toxic material may produce general deterioration of health by an accumulation in one or many human organs. Repeated or prolonged inhalation of dust may lead to chronic respiratory irritations.

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SECTION 4

FIRST AID MEASURES

Ingestion: Remove dentures if any. Watch for an obstruction in the victim's mouth. Remove if possible what is causing the obstruction but do not force fingers or a hard object between victim's teeth. Have conscious person drink several glasses of water or milk. Induce vomiting by sticking finger in throat. Seek immediate medical attention.

Serious Ingestion: Examine the lips and mouth to ascertain whether the tissues are damaged, a possible indication that the toxic material was ingested; the absence of such signs, however, is not conclusive. Remove dentures if any. Watch for an obstruction in the victim's mouth. Remove if possible what is causing the obstruction but do not force fingers or a hard object between the victim's teeth. If a soft pad can be inserted between the victim's teeth, it will protect the tongue from being bitten. A badly bleeding tongue immensely complicated the patient's problems. Have conscious person drink several glasses of water or milk. Induce vomiting by sticking finger in throat. Lower the head so the vomit will not reenter the mouth and throat. If convulsions occur, do not restrain the victim, but do remove objects with which he (she) might injure himself (herself) or orient the victim to prevent him (her) from striking fixed heavy objects. If the convulsions cease, turn the victim on the side or face down so that any fluid in the mouth will drain. Seek immediate medical attention.

Inhalation: Allow the victim to rest in a well-ventilated area. Seek immediate medical attention.

Serious Inhalation: Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform artificial resuscitation. **Warning:** It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation when the inhaled material is toxic, infectious or corrosive. Seek immediate medical attention.

Skin Contact: If the chemical got onto the clothed portion of the body, remove the contaminated clothes as quickly as possible, protecting your own hands and body. Place the victim under a deluge shower. If the chemical touches the victim's exposed skin, such as the hands: Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.

Serious Skin Contact: Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek immediate medical attention.

Eye Contact: Check for and remove contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Do not use an eye ointment. Seek medical attention.

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SECTION 5

FIRE & EXPLOSION DATA

Flash Point: Not available.

Autoignition Temperature: Not available

Flammable Limits: Not available

Flammability of the Product: Combustible.

Products of Combustion: Not available

Fire Hazards in Presence of Various Substances: No specific information is available in our database regarding the flammability of this product in presence of various materials.

Explosion Hazards in Presence of Various Substances: No specific information is available in our database regarding the product's risks of explosion in the presence of various materials.

Risks of explosion of the product in presence of mechanical impact: Not available.

Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media & Instructions: Small Fire: Use dry chemicals, CO₂, water spray or foam.
Large Fire: Use water spray, fog or foam. **Do not** use water jet.

Special Remarks on Fire Hazards: No additional remark.

Special Remarks on Explosion Hazards: No additional remark.

SECTION 6

ACCIDENTAL RELEASE MEASURES

Small Spill: Use appropriate tools to put the spilled solid in a convenient waste disposal container.

Large Spill: Poisonous solid. Stop leak if without risk. **Do not** get water inside container. **Do not** touch spilled material. Use water spray to reduce vapors. Prevent entry into sewers, basements or confined areas; dike if needed. Eliminate all sources of ignition. Call for assistance on disposal.

SECTION 7

HANDLING & STORAGE

Precautions: Keep locked up. Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not ingest. Do not breathe dust. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes.

Storage: Keep container dry. Keep in a cool place. Ground all equipment containing material. Keep container tightly closed. Keep in a cool, well-ventilated place. Highly toxic or infectious materials should be stored in a separated locked safety storage cabinet or room.

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SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection: Splash goggles. Lab coat. Dust respirator. Be sure to use a MSHA/NIOSH approved respirator or equivalent. Gloves (impervious). Wear appropriate respirator when ventilation is inadequate.

Personal Protection in Case of a Large Spill: Splash goggles. Full suite. Dust respirator. Boots. Gloves. A self-contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient, consult a specialist **BEFORE** handling this product.

Exposure Limits: Not available.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Physical State & Appearance: Solid.

Odor Threshold: Not available.

Solubility: Very slightly soluble in cold water, hot water.

Specific Gravity: Not available.

Molecular Wt.: Not available.

pH (1% soln/water): Not available.

Volatility: Not available.

Boiling Point: Not available.

Melting Point: Decomposes

Vapor Density: Not available.

Critical Temperature: Not available.

Vapor Pressure: Not available.

Water/Oil Dist. Coeff.: Not available.

Ionicity (in water): Not available.

Dispersion Properties: Not available.

Odor: Slight

Taste: Acrid, bitter (strong).

Color: Yellowish-brown (light)

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SECTION 10**STABILITY & REACTIVITY**

Stability: This product is stable. **Instability Temperature:** Not available.

Conditions of Instability: No additional remark.

Incompatibility with various substances: No specific information is available in our database regarding the reactivity of this material in presence of various other materials.

Corrosivity: Non-corrosive in presence of glass. **Polymerization:** No

Special Remarks on Reactivity: No additional remark.

Special Remarks on Corrosivity: No additional remark.

SECTION 11**TOXICOLOGICAL INFORMATION**

Routes of Entry: Ingestion, inhalation.

Toxicity to Animals: Acute oral toxicity (LD50): 50 mg/kg (mouse)

Chronic Effects on Humans: The substance is toxic to lungs, the reproductive system, mucous membranes.

Other Toxic Effects on Humans: Extremely dangerous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation.

Special Remarks on Toxicity to Animals: No additional remark.

Special Remarks on Chronic Effects on Humans: No additional remark.

Special Remarks on other Toxic Effects on Humans: No additional remark.

SECTION 12**ECOLOGICAL INFORMATION**

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation: Not available.

Toxicity of the Products of Biodegradation: The products of degradation are more toxic.

Special Remarks on the Products of Biodegradation: No additional remark.

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SECTION 13**DISPOSAL CONSIDERATIONS**

Waste Disposal: Recycle to process, if possible. Consult your local or regional authorities.

SECTION 14**TRANSPORTATION DATA & ADDITIONAL INFORMATION**

DOT Classification: DOT Class 6.1: Poisonous material

Identification: Toxic solid, organic, N.O.S. (Podophyllum Resin) UN 2811

Packaging Group: III

Special Provisions for Transport: No additional remark.

DOT Label: Label 6 (Harmful! Stow away from Food Stuffs)

SECTION 15**REGULATORY INFORMATION**

Federal & State Regulations: Not available.

California Proposition 65 Warnings: **Warning!** This product contains a chemical known to the State of California to cause cancer.

Chemical ingredient(s) requiring this warning: None

Warning! This product contains a chemical known to the State of California to cause birth defects or other reproductive harm. **Chemical ingredient(s) requiring this warning:** None

Other Regulations: OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

Other Classifications:**WHMIS (Canada)**

WHMIS Class D-1A: Material causing immediate and serious toxic effects (very toxic).

WHMIS Class D-2A: Material causing other toxic effects (very toxic)

DSCL (EEC):

R41 – Risk of serious damage to eyes.

R42 – May cause sensitization by inhalation.

R26/27/28 – Very toxic by inhalation, in contact with skin and if swallowed.

R39/25 – Toxic: danger of very serious irreversible effects in contact if swallowed.

Podophyllum Resin**HAZARD RATING SYSTEMS**

| HMIS (USA) | | KEY | 4 = Severe | NFPA (USA) | |
|---------------------|---|------------|-------------------|-------------------|---|
| Health | 3 | | 3 = Serious | Health | 3 |
| Flammability | 1 | | 2 = Moderate | Flammability | 1 |
| Reactivity | 0 | | 1 = Slight | Reactivity | 0 |
| Personal Protection | E | | 0 = None | | |

Protective Equipment: Gloves, lab coat, splash goggles and dust respirator. BE sure to use a MSHA/NIOSH approved respirator or equivalent. Wear appropriate respirator when ventilation is inadequate.