Material Safety Data Sheet

Section 1. Chemical Product and Company Identification

**Podophyllum resin**

**Catalog Number(s):** YY145, PO103, PO104, PO105

**CAS#** 9000-55-9

**RTECS** TR8925000

**TSCA** TSCA 8(b) inventory: No products were found.

**Manufacturer**

SPECTRUM CHEMICAL MFG. CORP.
14422 S. SAN PEDRO STREET
GARDENA, CA 90248

**Commercial Name(s)** Not available.

**Synonym** Not available.

**Chemical Name** Not available.

**Chemical Family** Not available.

**Chemical Formula** Not available.

**Supplier**

SPECTRUM CHEMICAL MFG. CORP.
14422 S. SAN PEDRO STREET
GARDENA, CA 90248

**Emergency Information**

**CHEMTREC (24 hr)** 800-424-9300

**CALL** (310) 516-8000

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Section 2. Composition and Information on Ingredients

**Name**

<table>
<thead>
<tr>
<th>Name</th>
<th>CAS #</th>
<th>TWA (mg/m³)</th>
<th>STEL (mg/m³)</th>
<th>CEIL (mg/m³)</th>
<th>% by Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>1) Podophyllum resin</td>
<td>9000-55-9</td>
<td></td>
<td></td>
<td></td>
<td>100</td>
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</table>

**Toxicological Data on Ingredients**

Podophyllum resin:

**ORAL (LD50):** Acute: 68 mg/kg [Mouse].

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Section 3. Hazards Identification

**Potential Acute Health Effects**

Extremely hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation. Severe over-exposure can result in death. Inflammation of the eye is characterized by redness, watering, and itching. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.

**Potential Chronic Health Effects**

Extremely hazardous 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.

**DEVELOPMENTAL TOXICITY:** PROVEN

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 irritation.

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Continued on Next Page
### Section 4. First Aid Measures

**Eye Contact**
- Check for and remove any 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.

**Skin Contact**
- After contact with skin, wash immediately with plenty of water. 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.

**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 mouth-to-mouth resuscitation. Seek medical attention.

**Ingestion**
- Do not induce vomiting. 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. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.

**Serious Ingestion**
- Not available.

### Section 5. Fire and Explosion Data

**Flammability of the Product**
- May be combustible at high temperature.

**Auto-Ignition Temperature**
- Not available.

**Flash Points**
- Not available.

**Flammable Limits**
- Not available.

**Products of Combustion**
- Not available.

**Fire Hazards in Presence of Various Substances**
- Not available.

**Explosion Hazards in Presence of Various Substances**
- 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 and Instructions**
- **SMALL FIRE**: Use DRY chemical powder.
- **LARGE FIRE**: Use water spray, fog or foam. Do not use water jet.

**Special Remarks on Fire Hazards**
- Not available.

**Special Remarks on Explosion Hazards**
- Not available.

### Section 6. Accidental Release Measures

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

**Large Spill**
- Use a shovel to put the material into a convenient waste disposal container.

**Continued on Next Page**
## Section 7. Handling and 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 separate locked safety storage cabinet or room.

## 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 an approved/certified respirator or equivalent.

**Personal Protection in Case of a Large Spill**  
Splash goggles. Full suit. 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

<table>
<thead>
<tr>
<th>Physical state and appearance</th>
<th>Odor</th>
<th>Molecular Weight</th>
<th>Taste</th>
<th>Color</th>
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</thead>
<tbody>
<tr>
<td>pH (1% soln/water)</td>
<td>Not available.</td>
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<tr>
<td>Boiling Point</td>
<td>Not available.</td>
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<tr>
<td>Melting Point</td>
<td>Decomposes.</td>
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</tr>
<tr>
<td>Critical Temperature</td>
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<td></td>
</tr>
<tr>
<td>Specific Gravity</td>
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<td></td>
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<td></td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>Not applicable.</td>
<td></td>
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<tr>
<td>Vapor Density</td>
<td>Not available.</td>
<td></td>
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<tr>
<td>Volatility</td>
<td>Not available.</td>
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<tr>
<td>Odor Threshold</td>
<td>Not available.</td>
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<tr>
<td>Water/Oil Dist. Coeff.</td>
<td>Not available.</td>
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<tr>
<td>Ionicity (in Water)</td>
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<tr>
<td>Dispersion Properties</td>
<td>Not available.</td>
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<tr>
<td>Solubility</td>
<td>Very slightly soluble in cold water, hot water.</td>
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## Section 10. Stability and Reactivity Data

<table>
<thead>
<tr>
<th>Stability</th>
<th>Instability Temperature</th>
<th>Conditions of Instability</th>
<th>Incompatibility with various substances</th>
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</thead>
<tbody>
<tr>
<td>The product is stable.</td>
<td>Not available.</td>
<td>Not available.</td>
<td>Not available.</td>
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</tbody>
</table>

*Continued on Next Page*
Podophyllum resin

Corrosivity
Non-corrosive in presence of glass.

Special Remarks on Reactivity
Not available.

Special Remarks on Corrosivity
Not available.

Polymerization
No.

Section 11. Toxicological Information

Routes of Entry
Eye contact. Inhalation. Ingestion.

Toxicity to Animals
Acute oral toxicity (LD50): 68 mg/kg [Mouse].

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

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

Special Remarks on Toxicity to Animals
Not available.

Special Remarks on Chronic Effects on Humans
Not available.

Special Remarks on other Toxic Effects on Humans
Not available.

Section 12. Ecological Information

Ecotoxicity
Not available.

BOD5 and COD
Not available.

Products of Biodegradation
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

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

Special Remarks on the Products of Biodegradation
Not available.

Section 13. Disposal Considerations

Waste Disposal

Section 14. Transport Information

DOT Classification
CLASS 6.1: Poisonous material.

Identification
: Toxic solid, organic, n.o.s. (Podophyllum resin) : UN2811  PG: III

Special Provisions for Transport
Not available.

Continued on Next Page
### Section 15. Other Regulatory Information and Pictograms

<table>
<thead>
<tr>
<th>Federal and State Regulations</th>
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<table>
<thead>
<tr>
<th>California Proposition 65 Warnings</th>
<th>California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer which would require a warning under the statute: No products were found.</th>
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</table>

<table>
<thead>
<tr>
<th>Other Classifications</th>
<th>WHMIS (Canada) CLASS D-1B: Material causing immediate and serious toxic effects (TOXIC). CLASS D-2A: Material causing other toxic effects (VERY TOXIC).</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>DSCL (EEC) R38- Irritating to skin. R41- Risk of serious damage to eyes.</td>
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<table>
<thead>
<tr>
<th>HMIS (U.S.A.)</th>
<th>National Fire Protection Association (U.S.A.)</th>
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<tbody>
<tr>
<td>Health Hazard</td>
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<tr>
<td>Fire Hazard</td>
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</tr>
<tr>
<td>Reactivity</td>
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<tr>
<td>Personal Protection</td>
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<tr>
<td>Flammability</td>
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<tr>
<td>Reactivity</td>
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<tr>
<td>Specific hazard</td>
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<thead>
<tr>
<th>WHMIS (Canada) (Pictograms)</th>
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<tr>
<th>Protective Equipment</th>
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<tbody>
<tr>
<td>Gloves.</td>
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<tr>
<td>Lab coat.</td>
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**Section 16. Other Information**

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<tr>
<th>MSDS Code</th>
<th>P3970</th>
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<tr>
<td>References</td>
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</tr>
<tr>
<td>Other Special Considerations</td>
<td>Not available.</td>
</tr>
</tbody>
</table>

Verified by Sonia Owen.  

**Notice to Reader**

All chemicals may pose unknown hazards and should be used with caution. This Material Safety Data Sheet (MSDS) applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this MSDS. It shall be the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this MSDS is based on technical data judged to be reliable, Spectrum Quality Products, Inc. assumes no responsibility for the completeness or accuracy of the information contained herein.