

Section 1. Product and Company Identification

Product Name Podophyllum Resin
CAS Number 9000-55-9

Parchem - fine & specialty chemicals
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EMERGENCY RESPONSE NUMBER
CHEMTEL
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Collect Calls Accepted

Section 2. Hazards Identification

Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Acute toxicity, Oral (Category 2), H300
Acute toxicity, Inhalation (Category 1), H330
Acute toxicity, Dermal (Category 2), H310
Skin corrosion (Category 1B), H314
Serious eye damage (Category 1), H318
Reproductive toxicity (Category 1B), H360

GHS Label Elements

Pictograms:



Signal word: Danger

Hazard and precautionary statements

Hazard statement(s)

H300 + H310 + H330 Fatal if swallowed, in contact with skin or if inhaled
H314 Causes severe skin burns and eye damage.
H360 May damage fertility or the unborn child.

Precautionary statement(s)

P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P260 Do not breathe dust/ fume/ gas/ mist/ vapors/ spray.
P262 Do not get in eyes, on skin, or on clothing.
P264 Wash skin thoroughly after handling.



- P270 Do not eat, drink or smoke when using this product.
- P271 Use only outdoors or in a well-ventilated area.
- P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
- P284 Wear respiratory protection.
- P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
- P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
- P303 + P361 + P353 IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.
- P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P310 Immediately call a POISON CENTER or doctor/ physician.
- P320 Specific treatment is urgent (see supplemental first aid instructions on this label).
- P361 Remove/Take off immediately all contaminated clothing.
- P363 Wash contaminated clothing before reuse.
- P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
- P405 Store locked up.
- P501 Dispose of contents/ container to an approved waste disposal plant.

Potential Acute Health Effects: Extremely hazardous in case of skin contact (irritant), eye contact (irritant), ingestion, or 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), eye contact (irritant), ingestion, or 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.

Section 3. Composition / Information on Ingredients

Common Name Podophyllum Resin
CAS Number 9000-55-9

COMPONENT	CAS NUMBER	CONCENTRATION
Podophyllum Resin	9000-55-9	100% wt.

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. Firefighting Measures

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.

Firefighting 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.

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. Gloves.

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

Physical State and Appearance: Solid

Odor: Slight

Taste: Acrid. Bitter. (Strong)

Color: Yellowish-brown (Light)

Molecular Weight: Not available

pH (1% Solution/Water): Not available

Boiling Point: Not available

Melting Point: Decomposes

Critical Temperature: Not available

Specific Gravity: Not available

Vapor Pressure: Not applicable

Vapor Density: Not available



Volatility: Not available
Odor Threshold: Not available
Water/Oil Distribution Coefficient: Not available
Ionicity (in Water): Not available
Dispersion Properties: Not available
Solubility: Very slightly soluble in cold water, hot water.

Section 10. Stability and Reactivity

Stability: The product is stable
Instability Temperature: Not available
Conditions of Instability: Not available
Incompatibility with Various Substances: Not available
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), ingestion, or 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 Treatment Methods: Dispose of product and contaminated packaging in accordance with all local, state, and federal environmental control regulations.

Section 14. Transport Information

DOT Classification: Class 6.1 Poisonous Material
Identification: Toxic solid, organic, N.O.S. (Podophyllum resin)
UN Number: UN2811
Packing Group: III

Special Provisions for Transport: Not available

Section 15. Regulatory Information

Federal and State Regulations: No products were found.

California Proposition 65 Warnings

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.

This product contains the following ingredients for which the State of California has found to cause birth defects which would require a warning under the statute: No products were found.

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

Other Classifications

WHMIS (Canada)

CLASS D-1B: Material causing immediate and serious toxic effects (TOXIC).

CLASS D-2A: Material causing other toxic effects (VERY TOXIC).

DSCL (EEC)

R38- Irritating to skin.

R41- Risk of serious damage to eyes.

HMIS Rating

Health: 3

Flammability: 1

Reactivity: 0

Personal Protection: E



NFPA Rating

Health: 3

Flammability: 1

Reactivity: 0

Specific Hazard:

Protective Equipment: Gloves. Lab Coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Splash goggles

Section 16. Other Information

Disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

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