

MATERIAL SAFETY DATA SHEET

**PODOCON-25**

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<b>SECTION 1 - PRODUCT IDENTIFICATION AND HAZARDOUS COMPONENTS</b>
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PRODUCT NAME: Podocon-25

SYNONYMS: 25% Podophyllin in Benzoin Tincture

MOLECULAR FORMULA: Mixture

MOLECULAR WEIGHT: N/A

CHEMICAL NAME: N/A

CHEMICAL FAMILY: Topical wart remover

<u>INGREDIENT (CAS #)</u>	<u>%</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Ethanol (64-17-5)	60	1,000 ppm	1,000 ppm
Podophyllin resin	25	N/A	N/A

Any unlisted ingredients are not considered hazardous and are present at a concentration of less than 5%.

<b>SECTION 2 - PHYSICAL AND CHEMICAL CHARACTERISTICS</b>
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BOILING POINT: N/A

VAPOR PRESSURE: N/A

MELTING POINT: N/A

VAPOR DENSITY: N/A

SPECIFIC GRAVITY: 0.93  
(WATER = 1)

EVAPORATION RATE: N/A  
(BUTYL ACETATE = 1)

WATER SOLUBILITY: Insoluble

WATER REACTIVE: No

APPEARANCE AND ODOR: Dark brown, mobile liquid with a characteristic odor.

**SECTION 3 - FIRE AND EXPLOSION DATA**

FLASH POINT (METHOD): N/A AUTOIGNITION TEMPERATURE: N/A

FLAMMABLE LIMITS: LOWER: N/A UPPER: N/A

EXTINGUISHING MEDIA: Dry chemical, foam or CO<sub>2</sub>.

SPECIAL FIRE FIGHTING PROCEDURES: Fire fighters should wear full protective gear including self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS: As with any organic compound, this material may produce toxic fumes if heated to decomposition (as under fire conditions).

**SECTION 4 - REACTIVITY HAZARD DATA**

STABILITY: Stable ( X ) Unstable ( )

INCOMPATIBILITY (MATERIALS TO AVOID): Water.

HAZARDOUS DECOMPOSITION PRODUCTS: As with any organic compound, this material may produce toxic fumes if heated to decomposition.

HAZARDOUS POLYMERIZATION: May Occur ( ) Will Not Occur ( X )

**SECTION 5 - HEALTH HAZARD DATA**

TOXICITY: No specific toxicity data available for this compound, however, the ingredients are toxic if ingested. Podophyllin resin is a potent cytotoxin.

CARCINOGEN LISTED BY:	NTP	Yes ( )	No ( X )
	IARC	Yes ( )	No ( X )
	OSHA	Yes ( )	No ( X )
	Other	Yes ( )	No ( X )

ROUTES OF ENTRY: Inhalation, ingestion, contact.

SIGNS AND SYMPTOMS OF OVEREXPOSURE:

INHALATION: May cause irritation of the respiratory tract, headache, nausea, dizziness.

EYE CONTACT: May cause slight to severe irritation and tissue damage.

**SKIN CONTACT:** May cause slight to severe irritation and tissue damage.

**INGESTION:** May cause slight to severe irritation and tissue damage of the gastrointestinal tract, nausea, vomiting.

**CHRONIC EFFECTS OF OVEREXPOSURE:** Dermatitis, destruction of tissues, possible hypersensitization.

**MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE:** Hypersensitivity to any ingredient in this material, skin irritation or sensitivity.

**OTHER PRECAUTIONS TO CONSIDER:** Persons developing hypersensitivity (anaphylactic) reactions must receive immediate medical attention. Avoid contact with eyes or mucous membranes.

**EMERGENCY FIRST AID PROCEDURES:**

**INHALATION:** Remove from exposure. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek immediate medical attention.

**EYE CONTACT:** Flush with water for at least 15 minutes and seek immediate medical attention.

**SKIN CONTACT:** Wash thoroughly with soap and water and seek immediate medical attention.

**INGESTION:** Flush mouth out with water and seek medical attention or contact a poison control center immediately.

<b>SECTION 6 - CONTROL AND PROTECTIVE MEASURES</b>
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**RESPIRATORY PROTECTION:** NIOSH/MSHA approved respirator.

**PROTECTIVE GLOVES:** Rubber.

**EYE PROTECTION:** Safety glasses or goggles required. Avoid wearing contact lenses when working with this or any chemical due to the possibility of increased severity of eye damage.

**VENTILATION:** Local exhaust recommended.

**OTHER PROTECTIVE EQUIPMENT:** Appropriate laboratory apparel.

**HYGIENIC WORK PRACTICES:** Do not eat, drink or smoke near this material. Wash thoroughly after handling and wash any contaminated clothing before reuse.

<b>SECTION 7 - HANDLING AND STORAGE PRECAUTIONS</b>
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**HANDLING PRECAUTIONS:** Avoid contact with eyes, skin or clothing and avoid breathing fumes. Wash thoroughly after handling and wash any contaminated clothing before reuse.

**STORAGE PRECAUTIONS:** Store in a tight container in a cool, dry, well ventilated location.

<b>SECTION 8 - SPILL AND DISPOSAL PROCEDURES</b>
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**STEPS TO BE TAKEN IN CASE OF SPILL OR DISCHARGE:** Wear all protective gear including: respirator, goggles, gloves and apron. Mop up spillage with an absorbent material and place in a tight container. Wash and ventilate spill site. Wash thoroughly or shower after handling and wash all clothing and protective gear before reuse.

**WASTE DISPOSAL METHOD:** Dispose of in accordance with all applicable local, state, federal, and environmental regulations.

<b>SECTION 9 - DISCLAIMER</b>
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**DEFINITIONS OF ABBREVIATIONS USED:**

ACGIH:	American Conference of Governmental Industrial Hygienists
CAS:	Chemical Abstract Service
IARC:	Internal Agency for Research on Cancer
IDLH:	Immediately Dangerous to Life or Health level
LC <sub>50</sub> :	Median Lethal Concentration
LD <sub>50</sub> :	Median Lethal Dose
MSHA:	Mine Safety and Health Administration
N/A:	Not available
NIOSH:	National Institute for Occupational Safety and Health
NTP:	National Toxicology Program
OSHA:	Occupational Safety and Health Administration
PEL:	Permissible Exposure Limit
STEL:	Short Term Exposure Limit
TLV:	Threshold Limit Value
TWA:	Time Weighted Average