



SAFETY DATA SHEET

Section 1 – Product and Company Identification

THE EMBALMERS' SUPPLY COMPANY
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Trade Name: San Veino Spray
Product Type: Embalming and Preserving Mixture

Product Code: 10174

Revision Date: Nov-14

Section 2 – Hazards Identification

Appearance: Clear Liquid

Odor: Characteristic

Emergency Overview: WARNING



This contains materials considered hazardous by OSHA Hazard Communication Standard [29 CFR 1910.1200]

- Causes skin irritation.
- Suspected of causing cancer
- Toxic to aquatic life with long lasting effects

Precautionary statements:

- Obtain special instructions before use.
- Do not handle until all safety precautions have been read and understood
- Wash skin thoroughly after handling.
- Avoid release to the environment.
- Wear protective gloves
- IF ON SKIN: Wash with plenty of soap and water
- IF exposed or concerned: Get medical advice/attention.
- If skin irritation occurs: Get medical advice/attention.
- Take off contaminated clothing and wash before reuse.
- Collect spillage.
- Store locked up.

Section 3 – Composition/Information on Ingredients

Ingredient Name:	CAS number	WT %
Perchloroethylene PCE	127-18-4	67.9
Camphor Oil	8008-15-3	21.6
Phenol	108-95-2	03.4
Carbon Dioxide	124-38-9	03.0
Camphor-synthetic	76-22-2	02.2
Formaldehyde	50-00-0	00.7

Section 4 – First Aid Measures

General Advice: Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

Inhalation: If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

Skin Contact: Wash off with plenty of soap and water. Consult a physician.

Eye Contact: Rinse thoroughly with plenty of water for at least 15 minutes. Consult a physician.

Ingestion: Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Section 5 – Fire-fighting measures

Extinguishing media

Suitable

For small fires use dry chemical, CO₂, water spray, or alcohol resistant foam. For large fires, use water spray, fog or alcohol-resistant foam.

Special hazards arising from the substance or mixture: Carbon oxides, Hydrogen chloride gas.

Section 6 – Accidental Release Measures

General Information Use proper personal protective equipment as indicated in section 8 Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.

Environmental precautions Prevent further leakage or spillage if safe to do so. Don not let product enter drains. Discharge into the environment must be avoided.

Spill/Leaks Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Remove all sources of ignition. Provide ventilation.

Section 7 – Handling & Storage

Handling Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Avoid contact with eyes, skin and clothing. Avoid ingestion and inhalation.

Storage Keep away from sources of ignition. Store in a cool, dry, well-ventilated area away from incompatible substances.

Section 8 – Exposure Control/Personal Protection

Ingredient Name:	Occupational exposure limits		OSHA PEL STEL (15 mins)
	AGCIH TLV Ceiling	NIOSH	
Perchloroethylene	25 ppm		100 ppm
Phenol	5 ppm (skin)		5 ppm (skin)
Camphor Oil	2 mg/m³		3 ppm
Formaldehyde	0.3 ppm (ceiling)		0.75 ppm: 2 ppm (STEL)
Methanol	200 ppm		250 ppm (STEL)
Carbon Dioxide	5000 ppm		5000 ppm

Engineering Use adequate general or local exhaust to keep airborne concentrations below the permissible exposure levels

Personal Protective Equipment

Eyes Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin Wear appropriate protective gloves to prevent skin exposure.

Splash contact: Nitrile rubber: min. thickness 0.2 mm. Breakthrough time; 49 min.

Full contact: Fluorinated rubber: min. thickness 0.7 mm. Breakthrough time; 480 min.

Clothing Wear appropriate chemical protective clothing to prevent skin exposure.

Respirators Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN149. Always use a NIOSH or European EN149 approved respirator when necessary.

Section 9 – Physical & Chemical Properties

Appearance (physical state, color, etc.) Fine aerosol mist
Odor characteristic
pH no data available
Melting point/freezing point no data available

Boiling point

121 °C (250° F)

Section 9 – Physical & Chemical Properties (continued)

Flash point

no data available

Evaporation Rate

no data available

Flammability (solid/gas)

no data available

Lower/Upper flammable limit

no data available

Vapor pressure

25.3 hPa (19.0 mmHg) at 25.0 °C (77 ° F)

17.3 hPa (13.0 mmHg) at 20.0 °C (68 ° F)

Vapor density

no data available

Relative density

≤ 1.623 g/cm³ @ 25 °C (77 °F)

Water solubility

no data available

Partition coefficient: n-octanol/water

no data available

Auto ignition temperature

no data available

Decomposition temperature

no data available

Viscosity

no data available

Section 10 – Stability & Reactivity

Stability

Stable under normal temperatures and pressures.

Conditions to avoid

no data available

Materials to avoid

Oxidizing agents, reducing agents,

Hazardous Decomposition Products

no data available

Section 11- Toxicological Information

Acute toxicity

Ingredient Name:

Perchloroethylene

LD50 Oral – Rat – 2629 mg/kg

LD50 Skin – Rabbit – 5,000 mg/kg

LC 50 Inhalation – Rat – 8h – 34,200 mg/m³

Irritation Skin – rabbit – Severe skin irritation – 24h

Irritation Eye – rabbit – Mild eye irritation – 24h

Inhalation – no data available

Other Toxicological Information

Carcinogenicity:

Limited evidence of carcinogenicity in animal studies

Ingredient Name

Perchloroethylene

ACGIH

Not Classified

IARC

2A – Group 2A: Probably carcinogenic to humans

NTP

Reasonably anticipated to be a human carcinogen

OSHA

Not classified

EU

Not Classified

Formaldehyde

ACGIH

Suspected human carcinogen

IARC

IARC Group 1, carcinogenic to humans

NTP

Possible

OSHA

Cancer potential

EU

Limited evidence of a carcinogenic effect

Section 12 – Ecological Information

Toxicity

Ingredient Name

Perchloroethylene

Toxicity to fish

LC50 – Cyprinodon variegatus (sheepshead minnow) – 9.8 mg/l – 96.0 h

LC50 – Lemomis macrochirus (Bluegill) – 13 mg/l – 96.0 h

LC50 – Oncorhynchus mykiss (rainbow trout) – 4.9 mg/l – 96.0 h

Section 12 – Ecological Information (continued)

NOEC – Oryzias latipes – 17 mg/l – 10.0 d

NOEC - Cyprinodon variegatus (sheepshead minnow) – 29 mg/l – 96.0 h

Toxicity to daphnia
and Other aquatic
invertebrates

EC50 – Daphnia magna (Water Flea) – 7.50 mg/l – 48 h

Bio accumulative potential: Lepomis macrochirus (Bluegill) 21 d – 0.00343 mg/l
Bio concentration factor (BCF) 49

Other adverse effects: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Toxic to aquatic life.

Section 13 – Disposal Considerations

Waste disposal Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

Section 14 – Transportation Information

The data in this section is for information only and may not be specific to your package size or mode of transport. You will need to apply the appropriate regulation to properly classify your shipment.

International transport regulations

DOT (US)

UN number 3142 Class: 6.1 Packaging Group III
Proper shipping name: Disinfectants, liquid, toxic, n.o.s., (Tetrachloroethylene/Camphor Oil Solution)
Reportable Quantity (RQ): 100 lbs.
Marine Pollutant: No
Poison Inhalation Hazard: No

IMO/IMDG

UN number 3142 Class: 6.1 Packaging Group III
Proper shipping name: Disinfectants, liquid, toxic, n.o.s., (Tetrachloroethylene/Camphor Oil Solution)
Marine Pollutant: Marine pollutant

IATA(Cargo)

UN number 3142 Class: 6.1 Packaging Group III
Proper shipping name: Disinfectants, liquid, toxic, n.o.s., (Tetrachloroethylene/Camphor Oil Solution)

Section 15 – Regulatory Information

US regulations

SARA 302 Components

Extremely Hazardous Substances. The following components are listed: Formaldehyde, Phenol

SARA 313 – Supplier Notification

This product contains the following toxic chemical(s) subject to the reporting requirements of Section 313 of the Title III of the Superfund Amendments and Reauthorization Act of 1986, and Subpart C-Supplier Notification Requirement of 40 CFR Part 372.
Formaldehyde – 50-00-0, Methanol – 67-56-1 23.9%, Phenol – 108-95-2

State regulations

Massachusetts RTK Substances. The following components are listed: Methanol
New Jersey RTK Hazardous Substances The following components are listed:
Formaldehyde, Methanol
Pennsylvania RTK Hazardous Substances The following components are listed:

Formaldehyde, Methanol

California Prop. 65: Warning: This product contains a chemical(s) known to the State of California to cause cancer; Formaldehyde – 50-00-0

Canada

WHMIS (Canada)

Class B-3: Combustible liquid with a flash point between 37.8 C (100 F) and 93.3 C (200 F).

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

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

Class D-2B: Material causing other toxic effects (toxic).

Class E: Corrosive.

Section 16 – Other Information

Prepared by

The Embalmers' Supply Company

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Notice to reader

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