



# SAFETY DATA SHEET

## Section 1 – Product and Company Identification

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

**Product Code:** 10171

**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

<b>Ingredient Name:</b>	<b>CAS number</b>	<b>WT %</b>
Perchloroethylene PCE	127-18-4	90.0
Camphor Oil	8008-15-3	04.6
Phenol	108-95-2	02.4
Formaldehyde	50-00-0	00.7
Camphor-synthetic	76-22-2	00.6
Methanol	67-56-1	00.4

## 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, CO<sub>2</sub>, 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

<u>Ingredient Name:</u>	<u>Occupational exposure limits</u>		<b>OSHA PEL STEL (15 mins)</b>
	<b>AGCIH TLV Ceiling</b>	<b>NIOSH</b>	
Perchloroethylene	<b>25 ppm</b>		<b>100 ppm</b>
Phenol	<b>5 ppm (skin)</b>		<b>5 ppm (skin)</b>
Camphor Oil	<b>2 mg/m<sup>3</sup></b>		<b>3 ppm</b>
Formaldehyde	<b>0.3 ppm (ceiling)</b>		<b>0.75 ppm: 2 ppm (STEL)</b>
Methanol	<b>200 ppm</b>		<b>250 ppm (STEL)</b>

**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

<b>Appearance (physical state, color, etc.)</b>	Clear colourless liquid
<b>Odor</b>	characteristic
<b>pH</b>	no data available
<b>Melting point/freezing point</b>	no data available
<b>Boiling point</b>	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/cm <sup>3</sup> @ 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/m <sup>3</sup> Irritation Skin – rabbit – Severe skin irritation – 24h Irritation Eye – rabbit – Mild eye irritation – 24h Inhalation – no data available
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### 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.

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**Section 16 – Other Information**

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<b>Prepared by</b>	The Embalmers' Supply Company
<b>Date of issue</b>	07 November 2014
<b>Date of printing</b>	
<b>Version</b>	<b>3</b>
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