



## Searine CPF=36<sup>A</sup>

### A Glutaraldehyde Base Cavity Fluid with Entrone

Searine is a multi-base glutaraldehyde cavity fluid designed to exhibit maximum penetration with complete saturation of tissues. The glutaraldehyde in Searine induces a high level of sanitation and increases fluid action. Special modifiers and control chemicals further enhance preservation. Searine is recommended for all normal cases as well as cases requiring greater preservation, increased sanitation or both. Searine may be used hypodermically or with external packs to enhance localized preservation and bleaching.

NORMAL <sup>B</sup> CASES (# BOTTLES)	SPECIAL CASES <sup>C</sup> REQUIRING GREATER PRESERVATION (# BOTTLES)	SPECIAL CASES <sup>D</sup> REQUIRING GREATER SANITATION
<b>2</b>	<b>2½-3</b>	<b>2½-3</b>

#### Notes:

- A - A value assigned to all Champion fluids ranking them on the basis of preservative ability using recommended dilutions in normal cases. The Champion Preservative Factor is not index but can equal it in certain fluids. It is derived from the total chemical composition of each fluid and results of extensive field research. The Champion Preservative Factor can be used by the embalmer to predict the reactivity, preservative value and firming action of Champion fluids.
- B - Recommended quantity is 2-2½ bottles with reaspiration. If condition of body is uncertain after cavity treatment-reaspirate and reinject one additional bottle.
- C - Cases with higher preservative demand such as cancer, renal and liver diseases with their complications, institutional cases and other wasting diseases, delayed embalming, advanced decomposition, edema and bodies subjected to extensive drug therapy. Recommended quantity is 3 bottles with reaspiration and reinjection of one additional bottle.
- D - Cases with infectious diseases such as AIDS, hepatitis, meningitis, tuberculosis and other conditions requiring a high level of disinfection. Recommended quantity is 3 bottles with reaspiration and reinjection of one additional bottle.

**BEFORE USING, READ MATERIAL SAFETY DATA SHEET.  
FOR PROFESSIONAL EMBALMING USE ONLY.**

# MATERIAL SAFETY DATA SHEET

THE CHAMPION COMPANY  
400 Harrison Street  
Springfield, Ohio 45505  
EMERGENCY TELEPHONE NO. (937) 324-5681  
CHEMTREC: (800) 424-9300 (Spill, Leak, Fire, Exposure or Accident)

HAZARD RATING  
Health 2  
Fire 2  
Reactivity 0  
Special 0

## I. PRODUCT INFORMATION

General Type: Embalming Fluid  
Trade Name: Searine

## II. HAZARDOUS INGREDIENTS

<u>MATERIAL (CAS)</u>	<u>%</u>	<u>OSHA PEL</u> <u>TWA/STEL (15)</u>	<u>ACGIH TLV</u> <u>TWA/STEL (15)</u>
Formaldehyde (50-00-0)	8	.75ppm/2ppm	.3ppm (ceiling)
Possible Carcinogen: NTP, IARC			
Glutaraldehyde (111-30-8)	2	.2ppm (ceiling)	.05ppm (ceiling)
Phenol (108-95-2)	8	5ppm/NONE	5ppm/NONE
Methanol (67-56-1)	45	200ppm/NONE	200ppm/250ppm

## III. PHYSICAL DATA

Boiling Point	103° F	Freezing Point	N/A
Specific Gravity	0.936	Vapor Pressure	UNKNOWN
Vapor Density	1	Solubility in Water	COMPLETE
Percent Volatiles	45 (with heat)	Evaporation Rate	1
		(Butyl Acetate = 1)	
Appearance and Odor	Water-white, clear liquid with pungent odor.		

## IV. FIRE AND EXPLOSION HAZARD DATA

Flash Point	103° F (COC) Combustible Liquid
Flammable Limits In Air	Lower 6.7 Upper 72
Extinguishing Media	Foam, Dry Chemical, Carbon Dioxide, Water Spray
Special Fire Fighting Procedures	Wear self-contained breathing apparatus, cool container with water spray.
Unusual Fire and Explosion Hazard	-----

## V. HEALTH HAZARD DATA

Threshold Limit Value	See Part II
Effects of Overexposure	If swallowed may cause burns, nausea, vomiting, diarrhea, blindness or death. Skin contact may cause burns, dermatitis or serious skin injury. Eye contact may cause burns, inflammation, eye injury or blindness. Inhalation may cause burning of throat and lungs, difficult breathing and collapse, liver damage, nerve damage or blindness. Can be absorbed through skin.
Emergency and First Aid Procedures	Contact physician immediately. If swallowed do not induce vomiting, give milk or water and get medical attention. If unconscious - give nothing. If eye or skin contact - flush with water for 15 minutes. Remove contaminated clothing, get medical attention. If inhaled - remove to fresh air, give artificial respiration. If not breathing, get medical attention.

---

---

## VI. REACTIVITY DATA

Stability	Product is stable
Conditions to Avoid	Sparks, heat and open flames
Incompatibilities	Strong acids and alkalis
Hazardous Decomposition Products	At high temperatures may release carbon monoxide or carbon dioxide
Hazardous Polymerization	Will not occur

---

---

## VII. SPILL OR LEAK PROCEDURES

If Material is Spilled	Neutralize with sodium sulfite solution and flush to sewer with large quantity of water - if allowed. Mop up with dry, non-reactive absorbent and dispose of as solid waste as allowed.
Waste Disposal Method	Flush to chemical sewer, incinerate, dispose in sanitary landfill - if allowed or flush to waste treatment system - if allowed.

---

---

## VIII. SPECIAL PROTECTION INFORMATION

Respiratory Protection	Unnecessary if area is adequately ventilated - use organic vapor mask if necessary.
Local Ventilation	Preferred
Mechanical Ventilation	Acceptable if necessary
Special Ventilation	Not normally required
Other Ventilation	Not normally required
Protective Gloves	Impervious vinyl or rubber type
Eye Protection	Coverall goggles or full face shield
Other Protective Equipment	Safety shower, eye wash and full protective clothing is required.

---

---

## IX. SPECIAL PRECAUTIONS

Maintain adequate ventilation and engineering controls to insure exposure levels below OSHA limits. Avoid prolonged inhalation or contact with skin or eyes.

Keep bottles tightly capped. Keep away from heat and flames. Store in cool, dry, well-ventilated area.

---

---

The information herein given is in good faith but no warranty, expressed or implied, is made, except that to the best of the Company's knowledge it is accurate. The Champion Company does not assume any legal responsibilities for use or dependence upon same. Customers may wish to conduct tests of their own. The user is urged to read the information provided on the label before using product.

Searine

Date July 2004

---

---