



Hi-Tone CPF=25^A

Arterial Fluid with Entrone and AD-P

Hi-Tone is a formaldehyde arterial fluid which contains Entrone for achieving penetration to the point of complete saturation and AD-P for control of formaldehyde action to obtain better diffusion and improvement of cosmetic effect. This well balanced fluid minimizes dehydration effects and promotes uniform cosmetic results. Hi-Tone is a general purpose arterial fluid suitable for use in all normal cases. Hi-tone is not recommended for use in advanced decomposition cases.

PH-A ¹	TRI-SAN ²	HI-TONE ³		ALOE FACTOR ⁴	TRI-SAN ⁵ ADD FOR EXTRA FIRMNESS	ALOE FACTOR ⁶ ADD TO RESTORE MOISTURE CON-
		MODERATE FIRMNESS	DEFINITE ³ FIRMNESS			
3-4	1-2	6-8	9-11	2-3	1-3	4-8
→ → MIX IN THIS ORDER → →						

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 - Add Champion Coloro Dyes as needed to achieve desired cosmetic effect.
- 1 - For proper water conditioning and pH balance to maximize fluid efficiency (if using soft water - reduce amount to 2-3 ozs.)
 - 2 - For sanitizing action in solution and improved fluid action in all non-glutaraldehyde based fluids.
 - 3 - These are recommended amounts for normal cases. Additional amounts of fluid will be needed for cases with higher aldehyde demand such as cancer, renal and liver diseases with their complications, institutional cases and other wasting diseases, delayed embalming cases, edema and bodies subjected to extensive drug therapy.
 - 4 - Humectant to control aldehyde action and prevent dehydration during embalming. Use in all non-lanolin based fluids. Do not use in cases of moisture retention (edema, etc.).
 - 5 - For increased aldehyde action of fluid with improved rigidity and preservation. (Increases preservative factor of fluid without inducing dehydration or other unwanted effects.)
 - 6 - For maximum rehydration of tissues. Restores moisture in cases of dehydration or emaciation. Use in last 1 to 1-1/2 gallons of solution with intermittent or restricted drainage.

**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: Hi-Tone

II. HAZARDOUS INGREDIENTS

MATERIAL (CAS)	%	OSHA PEL TWA/STEL (15)	ACGIH TLV TWA/STEL (15)
Formaldehyde (50-00-0)	25	.75ppm/2ppm	.3ppm (ceiling)
Possible Carcinogen: NTP, IARC			
Methanol (67-56-1)	8	200ppm/NONE	200ppm/250ppm

III. PHYSICAL DATA

Boiling Point	194° F +	Freezing Point	N/A
Specific Gravity	1.091	Vapor Pressure	UNKNOWN
Vapor Density	1	Solubility in Water	COMPLETE
Percent Volatiles	8	Evaporation Rate	1
		(Butyl Acetate = 1)	
Appearance and Odor	Red, clear solution with pungent odor.		

IV. FIRE AND EXPLOSION HAZARD DATA

Flash Point	185° 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 give milk or water and induce vomiting by sticking finger down throat 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.

Hi-Tone

Date August 1, 2010
