CHAMPION®

DI-FORM 40
CPF=40[A]
Lowered Exposure Dialdehyde Based
Extreme Firming Arterial Fluid

DI-FORM 40 is a lowered exposure glutaraldehyde arterial fluid which contains Entrone for achieving penetration to the point of complete saturation and AD-P for control of aldehyde action to obtain better diffusion and improvement of cosmetic effect. In addition, there are advanced buffers, modifiers and control agents to further enhance the embalming action of DI-FORM 40. This results in an extreme firming action and fluid distribution. DI-FORM 40 has a superior sanitizing action due to the glutaraldehyde present. DI-FORM 40 is recommended for all extreme embalming situations. DI-FORM 40 is recommended in cases of advanced decomposition, extreme delayed embalming or tissue gas..

PH-A[1]	BETA CO-INJECT	DI-FORM[B]		ALOE FACTOR[3]	TRISAN[4] ADD FOR EXTRA FIRMNESS	ALOE FACTOR[5] ADD TO RESTORE MOISTURE CONTENT
		DEFINITE FIRMNESS	EXTREME[2] FIRMNESS			
3-4	8-10	10-12	14-16	1-2	2-4	4-8
→ → MIX IN THIS ORDER → → DILUTE TO ONE GALLON						

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 - These are recommended amounts for typical 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. For tissue gas use at the rate of 16 oz./gallon.

3 - 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.).

4 - For increased aldehyde action of fluid with improved rigidity and preservation. (For tissue gas use at the rate of 8 oz./gallon.)

5 - 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

HAZARD RATING	
Health	2
Fire	2
Reactivity	0
Special	0

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)

I. PRODUCT INFORMATION

General Type: Embalming Fluid
Trade Name: Di-Form 40

II. HAZARDOUS INGREDIENTS

MATERIAL (CAS)	%	OSHA PEL TWA/STEL (15)	ACGIH TLV TWA/STEL (15)
Formaldehyde (50-00-0)	21	.75ppm/2ppm	.3ppm (ceiling)
Possible Carcinogen: NTP, IARC			
Glutaraldehyde (111-30-8)	6	.2ppm (ceiling)	.05ppm (ceiling)
Phenol (108-95-2)	2	5ppm/NONE	5ppm/NONE
Isopropanol (67-63-0)	11	400ppm/NONE	200ppm/400ppm

III. PHYSICAL DATA

Boiling Point	190° F+	Freezing Point	N/A
Specific Gravity	0.988	Vapor Pressure	UNKNOWN
Vapor Density	1	Solubility in Water	COMPLETE
Percent Volatiles	13	Evaporation Rate (Butyl Acetate = 1)	1
Appearance and Odor	Reddish solution with mild pleasant odor.		

IV. FIRE AND EXPLOSION HAZARD DATA

Flash Point	>150° 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 nitrile or butyl 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.