



pH-A Solution

pH-A is a chemical water conditioner and pH activator - it is not a preservative material. It must be used with regular injection solutions.

Its action is to improve the diffusion into tissue masses of the preserving, sanitizing, and coloring ingredients in the arterial solution. This is accomplished through a "de-polymerization" action which results in increased molecular activity. In embalming, this produces better internal cosmetic staining results, improves drainage and softening action on clotted material so that it is more easily removed, and promotes uniform firming action.

When used as suggested, pH-A Solution creates an optimal pH and reduces to zero hardness any water used.

The special ingredients in pH-A neutralize acidity in water and in the tissues. Although the solution has a reddish-amber color in its concentrated form, it does not impart this color to the embalmed tissues.

DIRECTIONS

For routine work, use pH-A at the rate of 2-4 oz. per gallon of water. Then, add the arterial fluid to be used. pH-A should be added to each injection solution.

On special cases involving circulatory problems with clotted material or thick viscous blood, use pH-A as follows: To a quart of water, add 4-6 oz. of pH-A. Raise artery to be used and inject the mixture without opening the vein. Allow 15-20 min. to elapse to permit the pH-A mixture to start acting upon the clotted material to cause it to break up more readily. Then open the vein and permit drainage to occur. Proceed with the regular injection.

pH-A is very useful in soaking blood stained linen. Sheets and pillow cases may be soaked in a solution of 3-4 oz. of pH-A to each gallon of water. This treatment will help greatly in removing the stains. For stubborn stains, it may be necessary to soak linens for 30 minutes or more.

8 oz. of pH-A mixed with a quart of warm water will clean and flush the entire system of the embalming machine.

When exposed to low temperatures, pH-A Solution may become cloudy and crystals may form in it. Restore to normal temperature and agitate. This condition will disappear with no loss of effectiveness.

**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 1
Fire 1
Reactivity 0
Special 0

I. PRODUCT INFORMATION

General Type: Accessory Embalming Fluid
Trade Name: pH-A

II. HAZARDOUS INGREDIENTS

<u>MATERIAL (CAS)</u>	<u>%</u>	<u>OSHA PEL TWA/STEL (15)</u>	<u>ACGIH TLV TWA/STEL (15)</u>
NONE			

III. PHYSICAL DATA

Boiling Point	210°F +	Freezing Point	30°F
Specific Gravity	1.082	Vapor Pressure	UNKNOWN
Vapor Density	1	Solubility in Water	COMPLETE
Percent Volatiles	0	Evaporation Rate	< 1
		(Butyl Acetate = 1)	
Appearance and Odor	Slightly pink-amber clear liquid with mild odor.		

IV. FIRE AND EXPLOSION HAZARD DATA

Flash Point	Non-combustible	
Flammable Limits In Air	Lower ---	Upper ---
Extinguishing Media	N/A	
Special Fire Fighting Procedures	N/A	
Unusual Fire and Explosion Hazard	N/A	

V. HEALTH HAZARD DATA

Threshold Limit Value	See Part II
Effects of Overexposure	If swallowed may cause irritation, nausea or vomiting. Skin contact may cause irritation, dermatitis or skin injury. Eye contact may cause irritation, inflammation or eye injury. Inhalation may cause irritation of throat and lungs, and difficult breathing. 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	Strong oxidizing agents
Incompatibilities	Strong acids and alkalis
Hazardous Decomposition Products	At extreme temperatures-may release carbon dioxide or carbon monoxide.
Hazardous Polymerization	Will not occur

VII. SPILL OR LEAK PROCEDURES

If Material is Spilled	Flush to sewer with large quantities 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.
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. Avoid contact with skin, eyes or clothing.

Keep bottles tightly capped. 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.

pH-A

Date July 2004
