

Millenium
new era
Co-Injectant
Beta β Factor
The Future Now: Formaldehyde Free

Beta Factor is Champion's new high technology activator and buffer/co-factor system that is to be used with ARTERIAL 24 Alpha Factor. **Beta Factor** creates a maximum of penetration and rapid diffusion of chemical into the tissues by the use of a new sophisticated multi-level buffer system. This new activation/buffer system of **Beta Factor** allows a new and advanced level of control of the active aldehyde chemicals found in ARTERIAL 24 Alpha Factor for the maximization of embalming action and saturation of tissues. **Beta Factor's** complex buffer system locks in a narrow range of pH during tissue reaction to create the superior reactivity of the embalming chemicals found in ARTERIAL 24 Alpha Factor. **Beta Factor** is also effective in delaying or eliminating blood coagulation and solidification. This action of **Beta Factor** allows near complete clearing of capillaries and rapid removal of blood from engorged areas of tissues.

In addition to its use with ARTERIAL 24 Alpha Factor, **Beta Factor** is excellent as a co-injection activator for any arterial fluid. Use of **Beta Factor** with any arterial fluid will enhance its distribution into tissues and greatly increase clearing and drainage. Concentrated **Beta Factor** can also be used as a pre-injection for jaundice or other cases where deemed necessary.

DIRECTIONS

Beta Factor is always to be used ounce-for-ounce in equal amounts with ARTERIAL 24 Alpha Factor. Failure to use **Beta Factor** in equal amount with ARTERIAL 24 Alpha Factor will result in overrapid tissue reaction, overembalming and poor distribution with poor overall embalming performance of the injected solution.

For use as a co-injectant with any arterial fluid - add 8 oz. of **Beta Factor** to each gallon of mixed fluid. In extreme cases - up to 16 oz. of **Beta Factor** per gallon may be used.

For pre-injection use 16 oz. of **Beta Factor** with 3-4 oz. pH-a and 1 oz. of Tri-san to one gallon of warm water, for jaundice or other extreme cases - 32 oz. of **Beta Factor** may be used in one gallon with 3-4 oz. pH-a and 1 oz. Tri-san.

Beta Factor contains no hazardous ingredients but protective clothing and good quality gloves should always be used for safety. Read all label warnings and precautions and do not allow **Beta Factor** to come into contact with eyes, skin or clothing. **Beta Factor** is not designed to be used alone for any embalming purpose. Shake thoroughly before using - some separation may be possible due to the high concentration of active ingredients and conditions of low temperature.

**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: Co-Injectant Beta Factor

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	212° F	Freezing Point	N/D
Specific Gravity	1.01	Vapor Pressure	N/D
Vapor Density	Approx 1	Solubility in Water	COMPLETE
Percent Volatiles	0	Evaporation Rate (Butyl Acetate = 1)	< 1
Appearance and Odor	Clear faintly yellow liquid.		

IV. FIRE AND EXPLOSION HAZARD DATA

Flash Point	None to 212° F
Flammable Limits In Air	---- ----
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 monoxide or carbon dioxide.
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.

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Date July 2004
