Millenium

new era

Co-Injectant

Beta β Factor

The Future Now: **Formaldehyde Free**

Co-Injectant Beta Factor is Champion's new high technology activator and buffer/co-factor system that is to be used with Arterial 24 Alpha Factor. **Co-Injectant 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 **Co-Injectant 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. **Co-Injectant 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. **Co-Injectant Beta Factor** is also effective in delaying or eliminating blood coagulation and solidification. This action of **Co-Injectant Beta Factor** allows near complete clearing of capillaries and rapid removal of blood from engorged areas of tissues.

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

DIRECTIONS

Co-Injectant Beta Factor is always to be used ounce-for-ounce in equal amounts with Arterial 24 Alpha Factor. Failure to use **Co-Injectant 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 **Co-Injectant Beta Factor** to each gallon of mixed fluid. In extreme cases - up to 16 oz. of **Co-Injectant Beta Factor** per gallon may be used.

For pre-injection use 16 oz. of **Co-Injectant 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 **Co-Injectant Beta Factor** may be used in one gallon with 3-4 oz. pHa and 1 oz. Tri-san.

Co-Injectant 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. **Co-Injectant 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 SAFETY DATA SHEET.
FOR PROFESSIONAL EMBALMING USE ONLY.

Co-Injectant Beta Factor

Safety Data Sheet

according to the federal final rule of hazard communication revised on 2012 (HazCom 2012)

Date of issue: 05/27/2015 Version: 1.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name : Co-Injectant Beta Factor

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Accessory Embalming Fluid

Use of the substance/mixture : For professional use only

1.3. Details of the supplier of the safety data sheet

THE CHAMPION COMPANY
400 Harrison Street
Springfield, Ohio 45505

Telephone No. (937) 324-5681

1.4. Emergency telephone number

Emergency number : CHEMTREC (800) 424-9300 (Spill, Leak, Fire, Exposure or Accident)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS-US classification

Not classified

2.2. Label elements

GHS-US labelling

No labelling applicable

2.3. Other hazards

other hazards which do not result in classification : Spills of this product present a serious slipping hazard.

2.4. Unknown acute toxicity (GHS-US)

No data available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

This product does not contain any substance presented in above cut-off concentration limits that classified as hazardous in accordance with paragraph (d) of §1910.1200

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms: Call a doctor.

First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. If skin irritation occurs: Get medical attention.

First-aid measures after eye contact : Rinse immediately with plenty of water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if pain, blinking or redness persist.

First-aid measures after ingestion : If swallowed, rinse mouth with water (only if the person is conscious). Do NOT induce vomiting. Obtain emergency medical attention. Call a POISON CENTER. Never give anything by mouth to a person who is not fully conscious. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries	:	Not expected to present a significant hazard under anticipated conditions of normal use.
Symptoms/injuries after skin contact	:	Repeated or prolonged skin contact may cause irritation. Redness. Dermatitis.
Symptoms/injuries after eye contact	:	In fine dispersion, spraying, misting: May cause eye irritation.
Symptoms/injuries after ingestion	:	Ingestion may cause nausea and vomiting. May cause gastric irritation. Irritation of the stomach possible.

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	:	Alcohol resistant foam. Dry powder. Carbon dioxide (CO2). Water spray. Sand.
Unsuitable extinguishing media	:	Do not use a solid water stream as it may scatter and spread fire.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

Firefighting instructions	:	Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protective equipment for firefighters	:	Do not enter fire area without proper protective equipment, including respiratory protection. Wear a self contained breathing apparatus.
Other information	:	Special danger of slipping by leaking/spilling product. Thermal combustion may release carbon monoxide and dioxide.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	:	Avoid breathing dust, fume, mist, spray, vapors. Stop leak if safe to do so. Surface will become slippery when wet or damp.

6.1.1. For non-emergency personnel

Emergency procedures	:	Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment	:	Equip cleanup crew with proper protection.
Emergency procedures	:	Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up	:	Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials. Collect all waste in suitable and labelled containers and dispose according to local legislation. Ensure all national and local regulations are observed. Thoroughly wash the area with water after a spill or leak clean-up. Wash with plenty of water and detergent.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	:	Obtain special instructions before use. Avoid contact with skin and eyes. Work in a well-ventilated area. When not in use, keep containers tightly closed. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.
Hygiene measures	:	Do not eat, drink or smoke when using this product. Handle in accordance with good industrial hygiene and safety practices.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures	:	Provide local exhaust or general room ventilation. A washing facility for eye and skin cleaning purposes should be present.

Storage conditions	:	Keep out of reach of children. Keep only in the original container in a cool, well-ventilated place away from highly flammable substances. Keep container tightly closed and dry. Store away from direct sunlight or other heat sources.
Incompatible materials	:	Strong acids, bases. Oxidizing agents.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls

Appropriate engineering controls	:	Provide local exhaust or general room ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.
Personal protective equipment	:	Avoid all unnecessary exposure. Wear protective clothing, protective gloves, eye protection/goggles, face protection. For certain operations, additional Personal Protection Equipment (PPE) may be required.
Hand protection	:	Wear impermeable protective nitrile gloves. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.
Eye protection	:	Contact lenses should not be worn. Chemical goggles and face shields are required to prevent potential eye contact, irritation or injury.
Skin and body protection	:	Long sleeved protective clothing. Overall. Rubber apron, boots. safety foot-wear.
Respiratory protection	:	In case of insufficient ventilation. Wear suitable respiratory equipment. Approved organic vapor respirator.
Other information	:	Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	:	Liquid
Appearance	:	Clear.
Colour	:	Colourless to slightly yellow
Odor	:	Not available
Odor threshold	:	No data available
pH	:	No data available
Relative evaporation rate (butyl acetate=1)	:	< 1
Melting point	:	No data available
Freezing point	:	No data available
Boiling point	:	100 °C (212 °F)
Flash point	:	≤ 100 °C (none to 212 °F)
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Flammability (solid, gas)	:	No data available
Vapor pressure	:	No data available
Relative vapor density at 20 °C	:	≈ 1
Relative density	:	No data available
Density	:	1.01 Specific Gravity
Solubility	:	Water: completely soluble
Log Pow	:	No data available
Log Kow	:	No data available
Viscosity, kinematic	:	No data available
Viscosity, dynamic	:	No data available
Explosive properties	:	No data available
Oxidising properties	:	No data available
Explosive limits	:	No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Stable at normal conditions.

10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases. Oxidizing agents.

10.6. Hazardous decomposition products

On thermal combustion form: Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	:	Not classified Based on available data, the classification criteria are not met.
Skin corrosion/irritation	:	Not classified Based on available data, the classification criteria are not met.
Serious eye damage/irritation	:	Not classified Based on available data, the classification criteria are not met.
Respiratory or skin sensitisation	:	Not classified Based on available data, the classification criteria are not met.
Germ cell mutagenicity	:	Not classified Based on available data, the classification criteria are not met.
Carcinogenicity	:	Not classified Based on available data, the classification criteria are not met.
Reproductive toxicity	:	Not classified Based on available data, the classification criteria are not met.
Specific target organ toxicity (single exposure)	:	Not classified Based on available data, the classification criteria are not met.
Specific target organ toxicity (repeated exposure)	:	Not classified Based on available data, the classification criteria are not met.
Aspiration hazard	:	Not classified Based on available data, the classification criteria are not met.
Potential Adverse human health effects and symptoms	:	Based on available data, the classification criteria are not met.
Symptoms/injuries after skin contact	:	Repeated or prolonged skin contact may cause irritation. Redness. Dermatitis.
Symptoms/injuries after eye contact	:	In fine dispersion, spraying or misting: May cause eye irritation.
Symptoms/injuries after ingestion	:	Ingestion may cause nausea and vomiting. May cause gastric irritation. Irritation of the stomach possible.

SECTION 12: Ecological information

12.1. Toxicity

No additional information available

12.2. Persistence and degradability

Co-Injectant Beta Factor	
Persistence and degradability	Not established.

12.3. Bioaccumulative potential

Co-Injectant Beta Factor	
Bioaccumulative potential	Not established.

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Effect on ozone layer : No additional information available

Effect on the global warming : No additional information available

Other information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose of contents and container to comply with applicable local, state, national and international regulation.

Additional information : Do not re-use empty containers. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose containers to flames, sparks, heat, or other potential ignition sources.

Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

In accordance with DOT

Not regulated for transport

Additional information

Other information : No supplementary information available.

Transport by sea

Not regulated for transport

Air transport

Not regulated for transport

SECTION 15: Regulatory information

15.1. US Federal regulations

No additional information available

15.2. International regulations

CANADA

No additional information available

EU-Regulations

No additional information available

Classification according to Regulation (EC) No. 1272/2008 [CLP]

No additional information available

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

No additional information available

15.2.2. National regulations

No additional information available

15.3. US State regulations

No additional information available

SECTION 16: Other information

Other information : None.

HMIS III Rating

Health : 1 Slight Hazard - Irritation or minor reversible injury possible

Flammability : 1 Slight Hazard

Physical : 0 Minimal Hazard

SDS US (GHS HazCom 2012)

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