

# ENYMO

FOURTH GENERATION

## ENIGMA CAVITY



### CHEMOSTASIS INFUSION FACTOR

Ultra-low enviro-impact ecobalming chemical for natural/green burial and eco-cremation/disposition.

Champion's Fourth Generation **ENIGMA** line of ecobalming chemicals are predicated on synergistic mixes of essential, plant-based oils and their purified or synthesized/derived active aldehyde or phenolic components in a near-anhydrous carrier to deliver maximum tissue action. The undiluted use of **ENIGMA** chemicals, without any water whatsoever, delivers acceptable temporary preservation, good cosmetic appearance and induces temporary sanitizing effects. The Modern Tenets of Embalming are therefore completely fulfilled. A fully-disclosed, clean-sheet MSDS accompanies all **ENIGMA** chemical products confirming their nontoxic, nonhazardous nature and environmental impact. The result is an extremely safe and practical substitute for dangerous and toxic traditionalist formaldehyde embalming. Chemostasis effects, retarding/slowing of decomposition, are immediately noted after injection/infusion/application and are sufficient for effective holding of 3-5 days, and in some instances, possibly, a week or more. This allows adequate time for holding/transport and planning of the end-of-life celebration. The intent of ecobalming chemicals is to temporarily delay but not stop or inhibit natural decay processes and the natural and inevitable return to the elements of human remains. Champion's **ENIGMA** Ecobalming chemicals offer the modern embalmer a non-hazardous, nontoxic, eco-safe alternative for temporary preservation prior to final disposition.

### DIRECTIONS FOR USE

After thorough aspiration, inject at least 2 bottles into cavity. If necessary, re-aspirate and re-inject 1-2 bottles for additional ecobalming action. In addition, may be hypo-injected or applied as a surface pack for maximum localized action. **ENIGMA CAVITY** is also an excellent power-additive to **ENIGMA ARTERIAL** where body condition is poor or the embalming difficult. Add 1 bottle of **ENIGMA CAVITY** to each gallon of **ENIGMA ARTERIAL** for improved embalming results in compromised bodies. For extreme/severe cases, 2-3 bottles of **ENIGMA CAVITY** per each gallon of **ENIGMA ARTERIAL** should be used.

### Notes:

The use of **ENIGMA** Ecobalming chemicals will not dehydrate or firm a body in its action. If dehydration (as in the case of edema) is required, Champion's Third Generation **Millenium New Era** chemicals (for example: Xeros, Omega, Cavity 48, Plasma, and Alpha Factor) should be used to effect these results with the accompanying drastic reduction/use of toxic formaldehyde and the significant overall reduction in exposure to all chemicals in a traditional style embalming.

**FOR PROFESSIONAL USE ONLY.**  
**BEFORE USING, READ MATERIAL SAFETY DATA SHEET.**

# 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: Embalming Fluid  
Trade Name: ENIGMA CAVITY

## II. COMPOSITION/INGREDIENTS

MATERIAL (CAS)	%
Vanillic Aldehyde (121-33-5)	17
Guaiacol (90-05-1)	34
Eugenol (97-53-0)	9
Propylene Glycol (57-55-6)	40

## III. PHYSICAL DATA

Boiling Point	188°F+	Freezing Point	N/D
Specific Gravity	> 1	Vapor Pressure	N/A
Vapor Density	> 1	Solubility in Water	Slight
Percent Volatiles	N/A	Evaporation Rate (Butyl Acetate =1)	< 1
Appearance and Odor	Light Golden Liquid with Clove-Like Odor		

## IV. FIRE AND PHYSICAL HAZARD DATA

Flash Point	> 190°F (TCC) Combustible Liquid
Flammable Limits In Air	Lower ---- Upper ----
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 Values	None Established
Precautions	Harmful if swallowed. Avoid contact with skin and eyes. Skin and eye contact may cause irritation. Avoid breathing concentrated vapors. Use with good ventilation. Avoid contact with eyes, skin and clothing. Use protective gloves and apparel. Wash thoroughly after use. Wash contaminated clothing before re-use. Keep containers closed.
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 contact, flush with water for 15 minutes. If skin contact, wash area with soap and water, then flush with clean water. Remove contaminated clothing. If irritation persists, call physician. 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
Hazardous Polymerization	Will not occur

---

---

## VII. SPILL OR LEAK PROCEDURES

If Material is Spilled	Mop up with soapy water and flush to sewer with large quantity of clear 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	Chemical impervious 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 good ventilation. Avoid breathing concentrated vapors. Avoid contact with skin and eyes.

Keep bottle 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.

ENIGMA CAVITY

Date March 1, 2009

---

---