

# MATERIAL SAFETY DATA SHEET



<b>1</b>	FIRE HAZARD	<b>HAZARD KEY</b> 4 - SEVERE 3 - SERIOUS 2 - MODERATE 1 - SLIGHT 0 - MINIMAL
<b>0</b>	HEALTH HAZARD	
<b>0</b>	REACTIVITY	

## D – 866 /Golden River™ Wax Additive Jewelry Injection Wax

*Manufacturer:* F. E. Knight Inc.  
*Address:* 120 Constitution Blvd., Franklin, MA 02038  
*Telephone:* 508-520-1666  
*Fax:* 508-298-0160  
*Date Prepared:* January 25, 2006  
*Emergency:* Chem-Tel: 1-800-2 55-3924  
*Telephone No:* or 617-969-5399  
*Prepared by:* Michael Knight

### SECTION I - MATERIAL IDENTIFICATION AND INFORMATION

*Components:* Chemical Name & Common Names ( Hazardous Components 1% or greater, Carcinogens 0.1% or greater )  
*Non-Hazardous Ingredients:* Wax blend 100%  
*DOT Class:* Unregulated

### SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS

*Boiling Point:* N/A  
*Vapor Pressure (mm Hg and Temperature):* None  
*Vapor Density ( Air = 1 )::* N/A  
*Melting Point:* R & B 157o F.  
*Evaporation Rate ( Butyl Acetate = 1 ):* N/A  
*Solubility In Water:* Insoluble

<u>Specific Gravity (H<sub>2</sub>O = 1):</u>	0.98 <u>at</u> 25o C.
<u>Appearance and Odor:</u>	Tan odorless flake or slab.
<u>Percent Volatile (by weight):</u>	N/A

### SECTION 3 - FIRE AND EXPLOSION HAZARD DATA

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<u>Flash Point and Method Used:</u>	C.O.C. 450° F.
<u>Auto-ignition Temperature:</u>	N/A
<u>Lower Explosion Limit ( % )::</u>	N/A
<u>Upper Explosion Limit ( % )::</u>	N/A
<u>Extinguisher Media:</u>	Foam, CO <sub>2</sub> , Dry Chemical, Water Spray.
<u>Special Fire Fighting Procedures:</u>	Wear NSHA / NIOSH approved, pressure-demand, self contained breathing apparatus. When water is used, apply using spray or fog nozzle.
<u>Unusual Fire and Explosion Hazards:</u>	Dust is flammable in air suspension or clouds and can cause explosion if ignited in an enclosed space.

### SECTION 4 - REACTIVITY HAZARD DATA

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<u>Stability:</u>	Stable
<u>Conditions To Avoid:</u>	None
<u>Incompatibility (Materials to Avoid):</u>	Keep away from strong oxidizing agents
<u>Hazardous Decomposition Products:</u>	Upon combustion, carbon monoxide and carbon dioxide are generated.
<u>HAZARDOUS POLYMERIZATION:</u>	Will Not Occur
<u>Conditions To Avoid:</u>	None Known

### SECTION 5 - HEALTH HAZARD DATA

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<u>Effects of Overexposure:</u>	High Concentrations of wax fumes may cause eye, nose and respiratory irritation.
<u>Emergency First Aid</u>	

<u>Procedures:</u>	<b>* FOR MOLTEN ONLY *</b>
<u>Eye contact:</u>	Flush immediately with cold water and call a doctor.
<u>Skin contact:</u>	Flush immediately with cold water and call a doctor.
<u>Inhalation:</u>	N/A
<u>Ingestion:</u>	Call a doctor.

## SECTION 6 - CONTROL AND PROTECTIVE MEASURES

<u>Precautions to be Taken in Handling and Storage:</u>	Store away from flame, boilers and strong oxidizing agents.
<u>Other Precautions and / or Special Hazards:</u>	Molten products may cause thermal burns.
<u>Steps to be Taken if Material is Spilled or Released:</u>	If hot liquid, attempt to confine spill and let the wax solidify. Once solid, wax may be recovered as any other material.
<u>Waste Disposal Methods:</u>	Dispose of in accordance with local, state and federal regulations.

## SECTION 7 - CONTROL AND PROTECTIVE MEASURES

<u>Respiratory Protection ( Specify Type ):</u>	Normally none needed, but when handling finely divided wax, a dust respirator is suggested. Avoid breathing hot wax vapors.
<u>Ventilation to be Used:</u>	Adequate to capture wax dust and / or wax fumes.
<u>Protective Gloves:</u>	Not required except when working with hot liquid wax.
<u>Eye Protection:</u>	When molten, wear a face shield over safety glasses.
<u>Other Protective Clothing and Equipment:</u>	When molten, wear coveralls.
<u>Hygienic Work Practices:</u>	The information contained herein is based upon data available to us, and reflects our best professional judgment. However, no warranty of merchantability, fitness for any use, or anyother warranty is expressed or implied regarding the accuracy of such data, the results to be obtained from the use thereof, or that any such use does not infringe any patent. Since the information contained herein may be applied under conditions of use beyond our control and with which we may be unfamiliar, we do not assume any responsibility for the results of such application. This information is furnished upon the condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.