

# MATERIAL SAFETY DATA SHEET

## CASTALDO® LIQUACAST® PART B

**Manufacturer:** F. E. Knight Inc.  
**Address:** 120 Constitution Blvd.  
Franklin, MA 02038  
**Telephone:** 508-520-1666  
**Fax:** 508-520-2402  
**Date Prepared:** January 1, 2004  
**Emergency Telephone No:** Chem-Tel: 1-800-255-3924  
or 617-969-5399  
**Prepared by:** Michael Knight

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

### SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION

**Chemical Name:** Trade Secret Blend Containing Polyester Polyol

<u>Ingredient/CAS #</u>	<u>Exposure Limits</u>
Proprietary aryl mercury compound (0.1%)	ACGIH TLV 0.1 mg/m <sup>3</sup> TWA OSHA PEL 0.1 mg/m <sup>3</sup> (Ceiling)

This product is a trade secret of mostly nonhazardous ingredients. No other exposure limits established by OSHA or ACGIH apply during use of this product.

### SECTION 2 - PHYSICAL / CHEMICAL CHARACTERISTICS

<b>Appearance and odor:</b>	White opaque liquid, mild odor.
<b>Specific Gravity, at 25° C, g/cc:</b>	1.4.
<b>Solubility in Water:</b>	Negligible.
<b>Vapor Pressure:</b>	Negligible.
<b>Boiling Point (° F):</b>	No data.

### SECTION 3 - FIRE AND EXPLOSION HAZARD DATA

**Flash Point:** 350• F (estimated).  
**Extinguishing Media:** Carbon dioxide, dry chemical, alcohol foam, or water fog.  
**Hazardous Combustion Products:** Likely to include carbon monoxide, carbon dioxide, mercury vapor, and unidentified toxic and irritating compounds.  
**Other Information:** Firefighters wear protective gear and self-contained breathing apparatus (SCBA). Use water to cool hot containers.

#### **SECTION 4 - REACTIVITY HAZARD DATA**

**Conditions to Avoid:** Avoid moisture and temperatures >80°F.  
**Incompatibility With Other Materials:** Oxidizers.  
**Hazardous Decomposition Products:** Potentially oxides of carbon, organic acids, mercury vapor, and other unidentified irritating or toxic compounds.

#### **SECTION 5 - HEALTH HAZARD DATA**

**Primary Route(s) Of Entry:** Skin or eye absorption, or ingestion.  
**Eye:** May cause eye irritation.  
**Skin:** Exposure may cause skin irritation and/or redness.  
**Ingestion:** Toxic by ingestion (contains 0.1% of a toxic mercury compound. May cause gastrointestinal discomfort if ingested).  
**Inhalation:** At room temp., vapors are minimal and material is not expected to be an inhalation hazard.  
**Carcinogenicity:** Not designated as a carcinogen by NTP, IARC, or OSHA.  
**Chronic Effects:** Contains 0.1% of an aryl mercury compound. Long-term overexposure to mercury has been associated with central nervous system, digestive system, and kidney disorders.

**Emergency and First Aid Procedures:**

Ingestion:	Seek medical attention.
Eyes:	Flush with water for 15 minutes. Seek medical attention.
Skin:	Wipe off. Wash with soap and plenty of warm water. Seek medical attention if irritation develops.
Inhalation:	Remove to fresh air. Treat symptoms. Seek medical attention if symptoms persist.

#### **SECTION 6 - PROTECTION AND CONTROL MEASURES**

**Engineering Controls:** General and/or local exhaust to minimize airborne concentrations.  
**Personal Protective Equipment:** Eye protection (e.g., chemical splash goggles), protective clothing and gloves (e.g., nitrile rubber) are recommended.  
**Respiratory Protection:** In the absence of good ventilation, or if vapors or mists are generated (e.g., through heating or spraying), use respirator equipped with organic vapor cartridges. In emergency situations, use SCBA.

#### **SECTION 7 - SPILL AND DISPOSAL MEASURES**

Clear non-emergency personnel. Put on protective equipment (see Section 8). Remove sources of ignition. Contain spill to minimize environmental contamination. Absorb spilled material with non-reactive absorbent such as sawdust, vermiculite, or

sand. Collect and containerize spill material. Dispose of in accordance with federal, state and local regulations (see Section 9).

## **SECTION 8 - PRECAUTIONS FOR SAFE HANDLING AND USE**

**Handling:** Avoid contact with eyes, skin and clothing. Use in adequately ventilated area. Do not eat, drink or smoke in work area. Wash hands after handling.

**Storage:** Store indoors. Do not exceed 120°F. Store in original container tightly closed.

## **SECTION 9 - REGULATORY AND OTHER INFORMATION**

Sara Section 313: This product does not contain any compounds above the *de minimis* reporting levels subject to SARA Section 313 reporting requirements.

RCRA: Upon disposal, this product (uncured) is a characteristic RCRA hazardous waste (D009-owing to mercury content) as defined in 40 CFR 261. Cured materials may be RCRA-regulated for mercury. Dispose of in accordance with federal, state and local regulations.

CA Proposition 65 "WARNING: This product contains a chemical [mercury] known to the State of California to cause birth defects or other reproductive harm."

DOT: 55-gal drum quantities are RQ, Environmentally hazardous substance, liquid, n.o.s. (butyl benzyl phthalate), 9, UN3082, AAPG III. Smaller quantities sold by F.E. Knight, Inc. are not regulated.

EMERGENCY SHIPPING INFORMATION: Call Chem-Tel 800-255-3924.

Disclaimer: The information contained herein is considered accurate; however, F. E. Knight, Inc. makes no warranty regarding the accuracy of the information. The user must determine the suitability of the product for the intended use and accepts all risk and liability associated with that use.