

# MATERIAL SAFETY DATA SHEET

**CASTALDO®**

**Jewelry Mold Release Spray**

**Manufacturer:** F. E. Knight Inc.  
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**Date Prepared:** September 14, 2004  
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<b>2</b>	<b>FIRE HAZARD</b>	<b>HAZARD KEY</b> 4 - SEVERE 3 -SERIOUS 2 -MODERATE 1 - SLIGHT 0 - MINIMAL
<b>1</b>	<b>HEALTH HAZARD</b>	
<b>1</b>	<b>REACTIVITY</b>	

## SECTION I PRODUCT IDENTIFICATION

**Product Name:** Castaldo Jewelry Mold Release Spray  
**Revision Date:** September 14, 2004  
**Form:** Aerosol cans, 12 oz.

## SECTION II HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

CHEMICAL NAME	% (Range)	OSHA PEL (8 hr TWA)
1,1,1,2-Tetrafluoroethane	40-60	1000 ppm
Dimethyl Ether	60-40	1000 ppm
Aliphatic Hydrocarbon	4 – 10	TWA: 400 ppm, STEL: 500 ppm

## SECTION III PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point	N/A
Vapor Pressure (mm Hg.)	69 psig @ 70°F
Vapor Density (AIR=1)	2.6
Specific Gravity (H <sub>2</sub> O=1)	0.989
Solubility in Water @ 70° F	Partially soluble
Appearance	Clear, colorless liquid – under pressure in cans

## SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash point (method): N/A – Flash point not determined for mixture. Product is non-flammable per ASTM D3065-01.  
Extinguishing media: Dry chemical extinguisher (B-C), Water

### FIRE FIGHTING PROCEDURES:

Use dry chemical, foam, or CO<sub>2</sub>; water may be ineffective but should be used to keep exposed containers cool. Stop the release of materials if possible. Avoid accumulation of unburned materials. Remove personnel in general area.

## SECTION IV FIRE AND EXPLOSION HAZARD DATA continued



Keep out of reach of children. Store in a well-ventilated place. Keep container tightly closed. Read label precautions. Do not remove or deface label.

Storage: Store in a cool, dry, well ventilated area away from all sources of ignition. Do not store at temperature above 120°F.

Eye Protection: Proper eye protection should be worn in any type of industrial operation, such as splash-proof face-shield or goggles.

Skin Protection: The use of chemically resistant gloves is recommended if there is any possibility of prolonged or repeated liquid contact with the skin.

Ventilation: Maintain adequate mechanical ventilation to keep employee exposure below manufacturer's recommended limits.

## **SECTION X MISCELLANEOUS INFORMATION**

### **NPCA – HMIS RATINGS:**

Health	1
Flammability	2
Reactivity	1

***Manufacturer's Statement:*** *This information contained herein is believed to be correct as of issue date. Manufacturer shall not be liable for damages arising out of or in connection with the information obtained herein. It is intended to assist in the normal, safe usage of product. No warranty of any kind is expressed or implied as to the accuracy, completeness or adequacy of the information obtained herein.*