

# Safety Data Sheet

## Castaldo® SuperCera® Jewelry Injection Wax



SDS Revision Date:

12/05/2014

### 1. Identification of the substance/mixture and of the company/ undertaking

#### 1.1. Product identifier

**Product Identity** Castaldo® SuperCera® Jewelry Injection Wax  
**Alternate Names** Castaldo® SuperCera® Jewelry Injection Wax

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

**Intended use** See Technical Data Sheet.  
**Application Method** See Technical Data Sheet.

#### 1.3. Details of the supplier of the safety data sheet

**Company Name** F. E. Knight Inc.  
120 Constitution Blvd.,  
Franklin, MA 02038. USA

#### Emergency

**24 hour Emergency Telephone No.** Chem-Tel: 1-800-255-3924 or 617-969-5399  
**Customer Service: F. E. Knight Inc.** 508-520-1666

### 2. Hazard identification of the product

#### 2.1. Classification of the substance or mixture

**Classification according to Regulation (EC) No 1272/2008**

No applicable CLP categories.

**Classification according to 67/548/EEC or 1999/45/EC.**

No applicable DPD categories.

#### 2.2. Label elements

Using the Toxicity Data listed in section 11 and 12 the product is labeled as follows.

**According to Regulation (EC) No 1272/2008**

**[Prevention]:**

No CLP prevention statements

**[Response]:**

No CLP response statements

**[Storage]:**

No CLP storage statements

**[Disposal]:**

No CLP disposal statements

See Technical Data Sheet.

### 3. Composition/information on ingredients

There are no ingredients in this product which are classified as hazardous.

### 4. First aid measures

#### 4.1. Description of first aid measures

<b>General</b>	In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
<b>Inhalation</b>	Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious place in the recovery position and obtain immediate medical attention. Give nothing by mouth.
<b>Eyes</b>	Exposure to fumes, vapors or smoke of over-heated product can result in irritation to eyes. Direct contact with molten material may cause eye injury and burns. Should contact occur, flush eyes with generous amounts of water for at least 15 minutes and seek medical attention immediately.
<b>Skin</b>	Exposure to fumes, vapors or smoke of thermally degraded product can result in irritation to skin. Direct contact with molten material may cause injury and burns. For burns apply running water to the injured area for 15 minutes. Do not attempt to remove any material bonded to the skin. Seek medical attention immediately.
<b>Ingestion</b>	If swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

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

<b>Overview</b>	Eye Contact: Contact with solid material may cause irritation. Direct contact with molten wax to the eye may cause thermal burns. Skin Contact: No danger at room temperature. Direct contact with molten wax to the skin may cause thermal burns. Inhalation: Molten wax fumes may cause respiratory discomfort and irritation. Ingestion: Material is essentially inert and non-toxic. May cause gastrointestinal irritation, nausea, vomiting and diarrhea if ingested in large quantities. See section 2 for further details.
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### 5. Fire-fighting measures

### **5.1. Extinguishing media**

Recommended extinguishing media; alcohol resistant foam, CO<sub>2</sub>, powder, water spray.  
Do not use; water jet.

### **5.2. Special hazards arising from the substance or mixture**

Hazardous decomposition: Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

### **5.3. Advice for fire-fighters**

This product will burn if involved in a fire. Do not use water on molten product to avoid splattering and spreading of fire.

Wear full firefighting gear and self-contained breathing apparatus.

## **6. Accidental release measures**

### **6.1. Personal precautions, protective equipment and emergency procedures**

Put on appropriate personal protective equipment (see section 8).

### **6.2. Environmental precautions**

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

### **6.3. Methods and material for containment and cleaning up**

Treat as a thermoplastic. With molten spills, allow the material to cool and solidify. Keep material out of sewers and water streams by diking or impounding. Recover and place into appropriate containers for salvage or disposal according to Local, State and Federal regulations.

## **7. Handling and storage**

### **7.1. Precautions for safe handling**

Avoid contact with skin and eyes. Avoid contact with molten material. Wash thoroughly after handling. Avoid breathing fumes if used at high temperatures. Use in adequate ventilation.

### **7.2. Conditions for safe storage, including any incompatibilities**

Handle containers carefully to prevent damage and spillage.

Incompatible materials: Strong oxidizing agents (i.e. peroxides, chlorine).

Store sealed containers in a cool dry place away from heat and direct sunlight.

### **7.3. Specific end use(s)**

No data available.

## **8. Exposure controls and personal protection**

### **8.1. Control parameters**

There are no ingredients in this product which are classified as hazardous.

### **8.2. Exposure controls**

<b>Respiratory</b>	If workers are exposed to concentrations above the exposure limit they must use the appropriate, certified respirators.
<b>Eyes</b>	Protective safety glasses with eye shields recommended.
<b>Skin</b>	Proper protective splash resistant clothing, thermal gloves, splash resistant shoes,
<b>Engineering Controls</b>	Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn.
<b>Other Work Practices</b>	This material will be utilized in molten form. Use molten material in well ventilated areas. When working in confined areas, use of appropriate respiratory gear is recommended. Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

## 9. Physical and chemical properties

<b>Appearance</b>	Various Colors blocks/flakes, solid @25C/77F
<b>Odor</b>	No
<b>Odor threshold</b>	Not Measured
<b>pH</b>	NA
<b>Melting point / freezing point</b>	58-80 C
<b>Initial boiling point and boiling range</b>	NA
<b>Flash Point</b>	420 F (COC)
<b>Evaporation rate (Ether = 1)</b>	NA
<b>Flammability (solid, gas)</b>	Not Applicable
<b>Upper/lower flammability or explosive limits</b>	<b>Lower Explosive Limit: NA</b> <b>Upper Explosive Limit: NA</b>
<b>Vapor pressure (Pa)</b>	NA
<b>Vapor Density</b>	NA
<b>Specific Gravity</b>	< 1 (H2O=1)
<b>Solubility in Water</b>	Soluble
<b>Partition coefficient n-octanol/water (Log Kow)</b>	Not Measured
<b>Auto-ignition temperature</b>	NA
<b>Decomposition temperature</b>	NA
<b>Viscosity (cSt)</b>	NA
<b>VOC %</b>	NA
<b>% Volatile</b>	Negligible

### 9.2. Other information

No other relevant information.

## 10. Stability and reactivity

### 10.1. Reactivity

Hazardous Polymerization will not occur.

### 10.2. Chemical stability

Stable under normal circumstances.

### 10.3. Possibility of hazardous reactions

No data available.

### 10.4. Conditions to avoid

Excessive heat and open flame.

### 10.5. Incompatible materials

Strong oxidizing agents (i.e. peroxides, chlorine).

### 10.6. Hazardous decomposition products

Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

## 11. Toxicological information

### Acute toxicity

There are no ingredients in this product which are classified as hazardous.

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

Classification	Category	Hazard Description
Acute toxicity (oral)	---	Not Applicable
Acute toxicity (dermal)	---	Not Applicable
Acute toxicity (inhalation)	---	Not Applicable
Skin corrosion/irritation	---	Not Applicable
Serious eye damage/irritation	---	Not Applicable
Respiratory sensitization	---	Not Applicable
Skin sensitization	---	Not Applicable
Germ cell mutagenicity	---	Not Applicable
Carcinogenicity	---	Not Applicable
Reproductive toxicity	---	Not Applicable
STOT-single exposure	---	Not Applicable
STOT-repeated exposure	---	Not Applicable
Aspiration hazard	---	Not Applicable

## 12. Ecological information

### 12.1. Toxicity

This product is stable in water and can be mechanically separated from water. The water may be suitable for disposal in a biological waste water treatment plant. Not expected to be acutely toxic to aquatic organisms.

### Aquatic Ecotoxicity

There are no ingredients in this product which are classified as hazardous.

### 12.2. Persistence and degradability

There is no data available on the preparation itself.

### 12.3. Bioaccumulative potential

Not Measured

### 12.4. Mobility in soil

No data available.

### 12.5. Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

### 12.6. Other adverse effects

No data available.

## 13. Disposal considerations

### 13.1. Waste treatment methods

Observe all federal, state and local regulations when disposing of this substance.

## 14. Transport information

	<b>DOT (Domestic Surface Transportation)</b>	<b>IMO / IMDG (Ocean Transportation)</b>	<b>ICAO/IATA</b>
<b>14.1. UN number</b>	Not Applicable	Not Regulated	Not Regulated
<b>14.2. UN proper shipping name</b>	Not Regulated	Not Regulated	Not Regulated
<b>14.3. Transport hazard class(es)</b>	<b>DOT Hazard Class:</b> Not Applicable	<b>IMDG:</b> Not Applicable <b>Sub Class:</b> Not Applicable	<b>Air Class:</b> Not Applicable
<b>14.4. Packing group</b>	Not Applicable	Not Applicable	Not Applicable
<b>14.5. Environmental hazards</b>			
<b>IMDG</b>	Marine Pollutant: No		
<b>14.6. Special precautions for user</b>	No further information		

## 15. Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### EU Legislation

REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC

#### National Legislation

None noted.

## 16. Other information

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:

Not Applicable

**This is the first version in the GHS SDS format. Listings of changes from previous versions in other formats are not applicable.**

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.

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