

Safety Data Sheet

Castaldo® Plast-O-Wax® Jewelry Injection Wax



SDS Revision Date:

09/01/2020

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

1.1. Product identifier

Product Identity Castaldo® Plast-O-Wax® Jewelry Injection Wax
Alternate Names Castaldo® Plast-O-Wax® 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 Goodwin Refractory Services Ltd
Spencroft Road, Newcastle-under-Lyme,
Staffordshire, ST5 9JE, United Kingdom

Emergency

24 hour Emergency Telephone No. Chem-Tel: 1-800-255-3924
Customer Service: +44 (0) 1782 66 36 00

2. Hazard identification of the product

2.1. Classification of the substance or mixture

No applicable GHS categories.

2.2. Label elements

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

No applicable GHS categories.

[Prevention]:

No GHS prevention statements

[Response]:

No GHS response statements

[Storage]:

Safety Data Sheet

Castaldo® Plast-O-Wax® Jewelry Injection Wax



SDS Revision Date:

09/01/2020

No GHS storage statements

[Disposal]:

No GHS disposal statements

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

General	In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
Inhalation	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.
Eyes	Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.
Skin	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.
Ingestion	If swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

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

Overview	Eye Contact: Contact with solid material may cause irritation. Direct contact with molten wax to the eye may cause thermal burns. Exposure to fumes may cause eye irritation. 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.
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5. Fire-fighting measures

5.1. Extinguishing media

Recommended extinguishing media; alcohol resistant foam, CO₂, powder or water fog. 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

Safety Data Sheet

Castaldo® Plast-O-Wax® Jewelry Injection Wax



SDS Revision Date:

09/01/2020

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.

ERG Guide No. ----

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

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

Respiratory	If workers are exposed to concentrations above the exposure limit they must use the appropriate, certified respirators.
Eyes	Protective safety glasses with side shields recommended.
Skin	Proper protective splash resistant clothing, thermal gloves, splash resistant shoes
Engineering Controls	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.

Safety Data Sheet

Castaldo® Plast-O-Wax® Jewelry Injection Wax



SDS Revision Date:

09/01/2020

Other Work Practices This material will be utilized in molten form. Proper protective splash resistant clothing, thermal gloves, splash resistant shoes, and eye shields should be worn to prevent injury. 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.

See section 2 for further details. - [Prevention]:

9. Physical and chemical properties

Appearance	Blue flakes solid @25C/77F
Odor	No
Odor threshold	Not Measured
pH	NA
Melting point / freezing point	58-80 C
Initial boiling point and boiling range	NA
Flash Point	420 F (COC)
Evaporation rate (Ether = 1)	NA
Flammability (solid, gas)	Not Applicable
Upper/lower flammability or explosive limits	Lower Explosive Limit: NA Upper Explosive Limit: NA
Vapor pressure (Pa)	NA
Vapor Density	NA
Specific Gravity	< 1 (H ₂ O=1)
Solubility in Water	Not Measured
Partition coefficient n-octanol/water (Log Kow)	Not Measured
Auto-ignition temperature	NA
Decomposition temperature	NA
Viscosity (cSt)	NA
VOC %	NA
% Volatile	Negligible
Solubility in organic solvent	Soluble

9.2. Other information

No other relevant information.

10. Stability and reactivity

10.1. Reactivity

Safety Data Sheet

Castaldo® Plast-O-Wax® Jewelry Injection Wax



SDS Revision Date:

09/01/2020

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

Safety Data Sheet

Castaldo® Plast-O-Wax® Jewelry Injection Wax



SDS Revision Date:

09/01/2020

12. Ecological information

12.1. Toxicity

No additional information provided for this product. See Section 3 for chemical specific data.

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

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

Safety Data Sheet
Castaldo® Plast-O-Wax® Jewelry Injection Wax



SDS Revision Date:

09/01/2020

No further information

15. Regulatory information

Regulatory Overview The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.

Toxic Substance Control Act (TSCA) All components of this material are either listed or exempt from listing on the TSCA Inventory.

WHMIS Classification Not Regulated

US EPA Tier II Hazards

Fire:No

Sudden Release of Pressure:No

Reactive:No

Immediate (Acute):No

Delayed (Chronic):No

EPCRA 311/312 Chemicals and RQs:
(No Product Ingredients Listed)

EPCRA 302 Extremely Hazardous :
(No Product Ingredients Listed)

EPCRA 313 Toxic Chemicals:
(No Product Ingredients Listed)

Proposition 65 - Carcinogens (>0.0%):
(No Product Ingredients Listed)

Proposition 65 - Developmental Toxins (>0.0%):
(No Product Ingredients Listed)

Proposition 65 - Female Repro Toxins (>0.0%):
(No Product Ingredients Listed)

Proposition 65 - Male Repro Toxins (>0.0%):
(No Product Ingredients Listed)

N.J. RTK Substances (>1%) :
(No Product Ingredients Listed)

Penn RTK Substances (>1%) :
(No Product Ingredients Listed)

16. Other information

Safety Data Sheet

Castaldo® Plast-O-Wax® Jewelry Injection Wax



SDS Revision Date:

09/01/2020

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, Goodwin Refractory Services Ltd 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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