

Safety Data Sheet

Castaldo® No Shrink Pink® Jewelry Molding Rubber



SDS Revision Date:

11/19/2014

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

1.1. Product identifier

Product Identity Castaldo® No Shrink Pink® Jewelry Molding Rubber
Alternate Names Castaldo® No Shrink Pink® Jewelry Molding Rubber

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

Aquatic Chronic 2;H411 Toxic to aquatic life with long lasting effects.

2.2. Label elements

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



H411 Toxic to aquatic life with long lasting effects.

[Prevention]:

P273 Avoid release to the environment.

[Response]:

P391 Collect spillage.

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[Storage]:

No GHS storage statements

[Disposal]:

P501 Dispose of contents / container in accordance with local / national regulations.

3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
C.I. Pigment White 21 CAS Number: 0007727-43-7	10 - 25		[1][2]
Octadecanoic acid CAS Number: 0000057-11-4	1.0 - 10		[1]
Zinc oxide CAS Number: 0001314-13-2	1.0 - 10	Aquatic Acute 1;H400 Aquatic Chronic 1;H410	[1][2]
Titanium dioxide CAS Number: 0013463-67-7	1.0 - 10		[1][2]
Silicia - Gel CAS Number: 0112926-00-8	1.0 - 10		[1]

[1] Substance classified with a health or environmental hazard.

[2] Substance with a workplace exposure limit.

[3] PBT-substance or vPvB-substance.

*The full texts of the phrases are shown in Section 16.

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	Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser.
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

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Overview

This mixture has not been evaluated as a whole. Information provided on the health effects of this product is based on individual components. All ingredients are bound and potential for hazardous exposure as shipped is minimal. However, some vapors may be released upon heating and the end-user (fabricator) must take the necessary precautions (mechanical ventilation, respiratory protection, etc.) to protect employees from exposure.

POTENTIAL HEALTH EFFECTS:

Routes of Exposure: Inhalation, Ingestion, Skin contact ACUTE EXPOSURE

Inhalation: Particulates, like other inert materials can be mechanically irritating.

Ingestion: May be harmful if swallowed.

Eyes: Particulates, like other inert materials can be mechanically irritating.

Skin: Experience shows no unusual dermatitis hazard from routine handling.

Chronic exposure: Refer to Section 11 for Toxicological Information.

See section 2 for further details.

5. Fire-fighting measures

5.1. Extinguishing media

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

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition: Toxic fumes and gases, carbon dioxide, carbon monoxide, hydrogen cyanide, oxides of nitrogen and other toxic and irritation gases can be produced depending on condition of combustion.

5.3. Advice for fire-fighters

Special Fire Fighting Procedures: Full-face self-contained breathing apparatus (SCBA) used in positive pressure mode should be worn to prevent inhalation of airborne contaminants.

Unusual Fire/Explosion Hazards: Carbon dioxide (CO₂), carbon monoxide (CO), oxides of nitrogen (NO_x), other hazardous materials, and smoke are all possible.

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

Do not allow spills to enter drains or waterways.

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

Clean up promptly by sweeping or vacuum. Package all material in plastic, cardboard or metal containers for disposal. Refer to Section 13 of this MSDS for proper disposal methods.

Should not be released into the environment. The product should not be allowed to enter drains, water courses or the soil.

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7. Handling and storage

7.1. Precautions for safe handling

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

7.2. Conditions for safe storage, including any incompatibilities

Handle containers carefully to prevent damage and spillage.

Incompatible materials: Incompatible with strong acids and bases. Incompatible with oxidizing agents.

Take measures to prevent the buildup of electrostatic charge. Heat only in areas with appropriate exhaust ventilation.

Keep containers dry and tightly closed to avoid moisture absorption and contamination. Keep in a dry, cool place.

7.3. Specific end use(s)

No data available.

8. Exposure controls and personal protection

8.1. Control parameters

Exposure

CAS No.	Ingredient	Source	Value
0000057-11-4	Octadecanoic acid	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
0001314-13-2	Zinc oxide	OSHA	TWA 5 mg/m ³ (fume) TWA 15 mg/m ³ (total dust) TWA 5 mg/m ³ (resp dust)
		ACGIH	TWA: 2 mg/m ³ STEL: 10 mg/m ³ A1, 1, Revised 2003,
		NIOSH	No Established Limit
		Supplier	No Established Limit
0007727-43-7	C.I. Pigment White 21	OSHA	TWA 15 mg/m ³ (total) TWA 5 mg/m ³ (resp)
		ACGIH	TWA: 10 mg/m ³
		NIOSH	TWA 10 mg/m ³ (total) TWA 5 mg/m ³ (resp)
		Supplier	No Established Limit
0013463-67-7	Titanium dioxide	OSHA	TWA 15 mg/m ³

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0112926-00-8	Silicia - Gel	ACGIH	TWA: 10 mg/m ³ 2B, Revised 2006,
		NIOSH	Footnote ca
		Supplier	No Established Limit
		OSHA	No Established Limit
		ACGIH	TWA: 4mg/m ³ (total) 1.5 mg/m ³ (Respirable)
		NIOSH	No Established Limit
		Supplier	No Established Limit

Carcinogen Data

CAS No.	Ingredient	Source	Value
0000057-11-4	Octadecanoic acid	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0001314-13-2	Zinc oxide	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0007727-43-7	C.I. Pigment White 21	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0013463-67-7	Titanium dioxide	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: Yes; Group 3: No; Group 4: No;
0112926-00-8	Silicia - Gel	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;

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.

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- Skin** Protective gloves, long sleeved clothing and safety shoes.
Wear appropriate personal protection during cleanup, such as impervious gloves, boots and coveralls.
- 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.
- Other Work Practices** 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	Pink Solid, Strips and sheets
Odor	Characteristic rubber
Odor threshold	Not Measured
pH	NA
Melting point / freezing point	Not determined
Initial boiling point and boiling range	NA
Flash Point	NA
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	Not determined
Solubility in Water	Insoluble
Partition coefficient n-octanol/water (Log Kow)	Not Measured
Auto-ignition temperature	NA
Decomposition temperature	NA
Viscosity (cSt)	NA
VOC %	NA

9.2. Other information

No other relevant information.

10. Stability and reactivity

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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

Keep away from oxidizing agents and open flame. To avoid thermal decomposition, do not overheat.

10.5. Incompatible materials

Incompatible with strong acids and bases. Incompatible with oxidizing agents.

10.6. Hazardous decomposition products

Toxic fumes and gases, carbon dioxide, carbon monoxide, hydrogen cyanide, oxides of nitrogen and other toxic and irritation gases can be produced depending on condition of combustion.

11. Toxicological information

Acute toxicity

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LD50, mg/L/4hr	Inhalation Dust/Mist LD50, mg/L/4hr	Inhalation Gas LD50, ppm
C.I. Pigment White 21 - (7727-43-7)	3,000.00, Mouse - Category: 5	No data available	No data available	No data available	No data available
Octadecanoic acid - (57-11-4)	2,000.00, Rat - Category: 4	5,000.00, Rabbit - Category: 5	No data available	No data available	No data available
Zinc oxide - (1314-13-2)	5,000.00, Rat - Category: 5	No data available	No data available	2.50, Mouse - Category: 4	No data available
Titanium dioxide - (13463-67-7)	10,000.00, Rat - Category: NA	10,000.00, Rabbit - Category: NA	No data available	6.82, Rat - Category: NA	No data available
Silicia - Gel - (112926-00-8)	No data available	No data available	No data available	No data available	No data available

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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

Chemicals are not readily available as they are bound within the polymer mix.. See Section 3 for chemical specific data.

Toxic to aquatic life with long lasting effects.

Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
C.I. Pigment White 21 - (7727-43-7)	59,000.00, Poecilia sphenops	32.00, Daphnia magna	Not Available
Octadecanoic acid - (57-11-4)	Not Available	Not Available	Not Available
Zinc oxide - (1314-13-2)	1.10, Oncorhynchus mykiss	0.098, Daphnia magna	0.042 (72 hr), Pseudokirchneriella subcapitata
Titanium dioxide - (13463-67-7)	1,000.00, Fundulus heteroclitus	5.50, Daphnia magna	5.83 (72 hr), Pseudokirchneriella subcapitata
Silica - Gel - (112926-00-8)	Not Available	Not Available	Not Available

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12.2. Persistence and degradability

Not readily biodegradable.

12.3. Bioaccumulative potential

Chemicals are not readily available as they are bound within the polymer mix.

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

Where possible recycling is preferred to disposal or incineration. The generator of waste material has the responsibility for proper waste classification, transportation and disposal in accordance with applicable federal, state/provincial and local regulations.

Contaminated Packaging: Recycling is preferred when possible. The generator of waste material has the responsibility for proper waste classification, transportation and disposal in accordance with applicable federal, state/provincial and local regulations.

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 DOT Label: ---	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: Yes (Zinc oxide)

14.6. Special precautions for user

No further information

15. Regulatory information

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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:

Zinc oxide

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%):

C.I. Pigment White 21

Silicia - Gel

Titanium dioxide

Zinc oxide

Penn RTK Substances (>1%):

C.I. Pigment White 21

Silicia - Gel

Titanium dioxide

Zinc oxide

16. Other information

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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:

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

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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