

Safety Data Sheet

Castaldo® Super High Strength™ Silicone Jewelry Molding Rubber



SDS Revision Date:

7/15/2016

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

1.1. Product identifier

Product Identity

 Castaldo® Super High Strength™ Silicone
Jewelry Molding Rubber

Alternate Names

 Castaldo® Super High Strength™ Silicone
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

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.

2.3. Other hazards

This product contains no PBT/vPvB chemicals.

3. Composition/information on ingredients

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

Ingredients:

Silicone rubber (Polydimethylsiloxane with vinyl groups) CAS # 63394-02-05

Hydrated amorphous silica, non-respirable, bound in polymer matrix CAS # 7631-86-9

Exact composition and formula is a trade secret protected under US and international law.

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. If breathing is difficult, give oxygen. |
| Eyes | Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention. |
| Skin | Wipe off excess material with cloth or paper. Use a waterless hand cleaner to remove as much of the remaining material as possible. |
| Ingestion | If swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting. For ingestion, if conscious, give several glasses of water but do not induce vomiting. If vomiting does occur, give additional fluids. |

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

| | |
|-----------------|---|
| Overview | Carcinogens/Reproductive toxins: This material does not contain any reportable carcinogenic ingredients. This material does not contain any reproductive toxins at or above OSHA or WHMIS reportable levels. Although animal testing has indicated that there is some limited carcinogenic potential for decamethylcyclopentasiloxane (D5) in rats, D5 has not been classified by IARC, NTP or OSHA as a known or potential human carcinogen. Further studies are ongoing to clarify the carcinogenic potential of D5 and the relevance to humans. See Section 11 for Toxicological Information, if any. See section 2 for further details. |
|-----------------|---|

5. Fire-fighting measures

5.1. Extinguishing media

Water - Use Fine Spray or Fog. Dry chemical. Carbon dioxide. Water may be used to cool tanks and structures adjacent to the fire.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition: Measurements have shown the formation of small amounts of formaldehyde at temperatures above about 150 °C (302 °F) through oxidation.

5.3. Advice for fire-fighters

Special exposure hazards: Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases. Fire-fighting procedures: Full turn-out gear and Self Contained Breathing Apparatus (SCBA) should be worn when fighting large fires.

Hazardous combustion products: Various hydrocarbon fragments, carbon dioxide, formaldehyde, carbon monoxide, silicon dioxide.

Cool closed containers exposed to fire by spraying them with water. Do not allow run off water and contaminants from fire fighting to enter drains or water ways.

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

Spills of material which could reach surface waters must be reported to the United States Coast Guard National Response Center's toll free phone number (800) 424-8802.

Methods for cleaning up: Scoop up large quantities after dusting surfaces with sand or Fuller's earth to prevent sticking. Sweep or scrape up the spilled material and place in an appropriate chemical waste container.

7. Handling and storage

7.1. Precautions for safe handling

Keep container closed when not in use. Store in a dry ventilated area. Maintain package labeling during storage.

7.2. Conditions for safe storage, including any incompatibilities

Store in original container. Store in a cool dry place.

Incompatible materials: No data available.

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 Not normally required.

Eyes Safety glasses with side shields

Skin Wear overalls to keep skin contact to a minimum. Any liquid-tight rubber or vinyl gloves recommended.

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 Safety showers and eye wash stations should be provided in areas where this product is used. 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

| | |
|---|--|
| Appearance | Tan Semi-solid paste |
| Odor | Faint characteristic |
| Odor threshold | Not Measured |
| pH | NA |
| Melting point / freezing point | NA |
| 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) | 0.000000 hPa |
| Vapor Density | 1.12-1.22 G/CM3 |
| Specific Gravity | NA |
| Solubility in Water | Insoluble |

| | |
|--|------------------------------------|
| Partition coefficient n-octanol/water (Log Kow) | Not Measured |
| Auto-ignition temperature | NA |
| Decomposition temperature | NA |
| Viscosity (cSt) | NA |
| VOC % | 0.0000 G/L |
| % Volatile | 0 % |
| Corrosive to Steel or Aluminum | Not corrosive to steel or aluminum |

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

Although this product is not expected to react with commonly used materials of construction and process equipment, it is advised that any rubber or plastic items such as hoses and gaskets be tested prior to large scale processing to ensure there is no degradation of performance or durability.

Materials to avoid: Relatively nonreactive. No significant reactivity with water.

10.5. Incompatible materials

No data available.

10.6. Hazardous decomposition products

Measurements have shown the formation of small amounts of formaldehyde at temperatures above about 150 °C (302 °F) through oxidation.

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

No expected damaging effects to aquatic organisms. According to current knowledge adverse effects on water purification plants are not expected.

Aquatic Ecotoxicity

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

12.2. Persistence and degradability

Biologically not degradable. Insoluble in water. Separation by sedimentation.

12.3. Bioaccumulative potential

No adverse effects expected.

12.4. Mobility in soil

Insoluble in water. No adverse effects expected.

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

Material that cannot be used or chemically reprocessed should be disposed of at an approved facility in accordance with any applicable governmental regulations. State and local regulations may be more stringent than Federal regulations.

Packaging disposal recommendation: Uncleaned packaging should be treated with the same precautions as the material. Uncleaned containers should not be reused to hold another material due to the potential for reaction between residual product and incompatible materials. After emptying contaminated containers may be cleansed and recycled..

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: No | | |
| 14.6. Special precautions for user | | | |
| | 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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