

Safety Data Sheet

Castaldo® VLT® Silicone Jewelry Molding Rubber



SDS Revision Date:

12/05/2014

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

1.1. Product identifier

Product Identity Castaldo® VLT® Silicone Jewelry Molding Rubber
Alternate Names Castaldo® VLT® 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

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]:

No GHS storage statements

Safety Data Sheet

Castaldo® VLT® Silicone Jewelry Molding Rubber



SDS Revision Date:

12/05/2014

[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	Use a waterless hand cleaner to remove as much of the remaining material as possible. Then wash with water or water and soap.
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 May cause slight eye irritation.

5. Fire-fighting measures

5.1. Extinguishing media

Recommended extinguishing media; alcohol resistant foam, dry sand.

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

Safety Data Sheet

Castaldo® VLT® Silicone Jewelry Molding Rubber



SDS Revision Date:

12/05/2014

Water, dry chemical, halones.

Fire fighters should wear protective clothing including a self-contained breathing apparatus.

Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases: Hazardous decomposition products: carbon dioxide, carbon monoxide, formaldehyde, silicon dioxide and incompletely burnt hydrocarbons.

Fire and explosion hazards: Caution! This product is not flammable but it may evolve flammable hydrogen gas under certain conditions, which may accumulate in the container headspace. Do not use a welding or cutting torch on or near any container of this material, even if empty, because an explosion could occur.

Spontaneous ignition is possible due to electrostatic discharge. The generation of hydrogen gas is increased under circumstances mentioned in Sect. 10 "Stability and reactivity". Contact with contaminated piping or vessels or with corroded and rusty containers can increase the rate of hydrogen formation.

Explosion limits for hydrolysis product: 4-75.6% v/v (hydrogen).

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

Containment: Prevent material from entering surface waters, drains or sewers and soil. 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: Take up mechanically and dispose of according to local/state/federal regulations. Use vented recovery containers. Clean any slippery coating that remains using a detergent / soap solution or another biodegradable cleaner. Apply sand or other inert granular material to improve traction. Eliminate all sources of ignition. Do not seal vessel gas tight. Observe notes under section 7.

7. Handling and storage

7.1. Precautions for safe handling

Do not seal collection vessel gas-tight. Open and handle container with care. Ensure adequate ventilation. Keep away from incompatible substances accordance with section 10.2. Take precautionary measures against electrostatic charging.

7.2. Conditions for safe storage, including any incompatibilities

Handle containers carefully to prevent damage and spillage.

Incompatible materials: alkalis, amines, strong acids, oxidizing agents.

Product can release hydrogen. In partly empties containers formation of explosive mixtures is possible. Keep away from sources of ignition and do not smoke. Keep away from open flames, heat and sparks. Protect against moisture. Store in original container only. Keep container tightly closed and store in well-ventilated place.

Safety Data Sheet
Castaldo® VLT® Silicone Jewelry Molding Rubber



SDS Revision Date:

12/05/2014

7.3. Specific end use(s)

No data available.

Safety Data Sheet

Castaldo® VLT® Silicone Jewelry Molding Rubber



SDS Revision Date:

12/05/2014

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 necessary
Eyes	Chemical goggles
Skin	Wear overalls to keep skin contact to a minimum. Butyl rubber protective gloves, neoprene gloves, PVC gloves.

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 Antistatic clothing and shoes.
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	Solid
Odor	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: 4%V (released hydrogen) Upper Explosive Limit: 75.6%V (released hydrogen)
Vapor pressure (Pa)	NA
Vapor Density	1.14 g/cm ³
Specific Gravity	NA
Solubility in Water	Not Measured
Partition coefficient n-octanol/water (Log Kow)	Not Measured

Safety Data Sheet

Castaldo® VLT® Silicone Jewelry Molding Rubber



SDS Revision Date:

12/05/2014

Auto-ignition temperature NA
Decomposition temperature NA
Viscosity (cSt) NA

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

Materials to avoid: Reacts with: alkalis, amines, strong acids, oxidizing agents. Reaction causes the formation of: hydrogen.

10.5. Incompatible materials

alkalis, amines, strong acids, oxidizing agents

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

Safety Data Sheet

Castaldo® VLT® Silicone Jewelry Molding Rubber



SDS Revision Date:

12/05/2014

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 water organisms.

Aquatic Ecotoxicity

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

12.2. Persistence and degradability

Not degradable. (Separation by sedimentation).

12.3. Bioaccumulative potential

Bioaccumulation is not expected to occur.

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

According to current knowledge, adverse effects on water purification plants are not expected.

13. Disposal considerations

13.1. Waste treatment methods

Danger of oxyhydrogen gas formation with water, alcohols, acids, metallic salts, amines and alkalis. Material designated for disposal must, be segregated from incompatible substances or materials specified in Sect. 10.2. Dispose of according to regulations by incineration in a special waste incinerator. Observe local/state/federal regulations.

Safety Data Sheet

Castaldo® VLT® Silicone Jewelry Molding Rubber



SDS Revision Date:

12/05/2014

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

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)

Safety Data Sheet
Castaldo® VLT® Silicone Jewelry Molding Rubber



SDS Revision Date:

12/05/2014

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

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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