

MATERIAL SAFETY DATA SHEET



Super High Strength™ Silicone Jewelry Molding Rubber

Manufacturer: F. E. Knight Inc.
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0	FIRE HAZARD	HAZARD KEY 4 - SEVERE 3 - SERIOUS 2 - MODERATE 1 - SLIGHT 0 - MINIMAL
1	HEALTH HAZARD	
0	REACTIVITY	

Date Prepared: January 25, 2006

Prepared by: Michael Knight

SECTION I - IDENTITY

Common Name: (Used on label)
(Trade Name & Synonyms): CASTALDO® Super High Strength™
Silicone Molding Rubber
CAS NO.: N/A
Chemical Name : Mixture
Chemical Family: VMQ
Formula: Rubber Compound (Mixture)

SECTION 2 - HAZARDOUS INGREDIENTS

Principal Hazardous component(s) (chemical & common name(s)) ___ % Threshold Limit Value (units) ___

This mixture has not been evaluated as a whole. All ingredients are bound in a polymer matrix and potential for hazardous exposure as shipped is minimal. However, some fumes may be released upon heating or vulcanization and the end-user (fabricator) must take the necessary precautions (mechanical ventilation, respirator program, etc.) to protect his employees from exposure. (See Section 7 - Special Precautions).

The following ingredients are considered hazardous per OSHA 1910.1200. MSDS for each is attached:

4570930

VAROX DBPH

IRRITANT

NOTE: If chemical is not specifically identified, it is considered proprietary.

SECTION 3 - PHYSICAL & CHEMICAL CHARACTERISTICS (Fire & Explosion Data)

Boiling Point:	N/A	Vapor Pressure (mm Hg):	N/A
Vapor Density (Air = 1):	Solid	Melting Point:	N/A
Evaporation Rate (_____ = 1):	Solid	Solubility In Water:	Insoluble
Specific Gravity (H₂O = 1):	1.07	Appearance and Odor: Solid:	Mild Odor
Water Reactive:	None known	Flash Point:	Unknown
Flammable Limits in Air % by Volume:	N/A	Extinguisher Media:	All common

Auto-Ignition Temperature: Unknown
Special Fire Fighting Procedures: Self-contained breathing apparatus should be worn to prevent inhalation of smoke and decomposition products.

SECTION 4 - PHYSICAL HAZARDS

Stability: Stable
Conditions to avoid:
Incompatibility (Materials to Avoid): None Known
Hazardous Decomposition Products: Oxides of C, S;O₂
Hazardous Polymerization: Will Not Occur

SECTION 5 - HEALTH HAZARD DATA (See Section 2)

THRESHOLD LIMIT VALUE: Not Established

SIGNS AND SYMPTOMS OF EXPOSURE:

1. Acute Overexposure: None Known
2. Chronic Overexposure: None Known

Medical Conditions Generally

Aggravated by Exposure: None Known

Chemical Listed As Carcinogen or Potential Carcinogen:

National Toxicology Program: No
I.A.R.C. Monographs: No
OSHA: No
OSHA Permissible Exposure Limit: N/A
ACGIH Threshold Limit Value: N/A
Other Exposure Limit Used: N/A

EMERGENCY FIRST AID PROCEDURES:

Eye Contact: Consult physician if irritation occurs.
Skin Contact: Physical form should preclude any harmful effect from contact.
Inhalation: Consult physician if respiratory irritation occurs.
Ingestion: Consult physician

SECTION 6 - SPECIAL PROTECTION INFORMATION

Respiratory Protection (Specify Type): May be necessary if mechanical ventilation is insufficient.

Ventilation: Yes

Local Exhaust: Yes

Mechanical (General): Yes

Protective Gloves: Yes

Eye Protection: No

Other Protective Clothing or Equipment: None

SECTION 7 - SPECIAL PRECAUTIONS AND SPILL / LEAK PROCEDURES

Precautions to be Taken in Handling and Storage: CAUTION: Nitrosamines - considered to be possible human carcinogens - may be formed during processing of rubber compounds. Mixing or contacting this products with nitrates or nitrites, as in salt

bath curing, may produce hazardous levels of volatile nitrosamines. Avoid inhaling fumes from hot rubber processing - especially vulcanization.

Steps to be Taken in Case Material is Released or Spilled:

Scoop or shovel material and return to original container. See Section Eight for applicable State and Federal regulations.

Waste Disposal Methods: Dispose of in accordance with all local, state and federal regulations.

SECTION 8 - REGULATORY INFORMATION

The following ingredients of this mixture are reportable as listed under Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1988 (SARA) and 40 CFR Part 372:

Component	CAS NO.	%	None
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The user must determine whether a report is required to EPA for any amount of this material disposed of or otherwise released into the environment.

NOTICE: This notification must remain attached to its accompanying MSDS. If the MSDS is copied or redistributed, a copy of this notification must also be attached.

HEALTH HAZARD INFORMATION

MATERIAL #4571930:

This material is an organic peroxide with potential for eye, skin or respiratory irritation on exposure to vulcanization fumes. Minimize breathing of fumes through adequate ventilation and or organic vapor respirator.

As with all rubber compounds, minimize employee exposure through the use of gloves and adequate ventilation.