

MATERIAL SAFETY DATA SHEET



CASTALDO®

Econosil® Silicone 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	

SECTION 1 - GENERAL

Material: Econosil® Silicone Jewelry Molding Rubber

Family Name: Silicone

SECTION 2 - STORAGE

Recommended Storage Conditions: Less than 25° C / 77° F
Dry, absence of direct natural or artificial light

SECTION 3 - TYPICAL PROPERTIES

Color: Red
Specific Gravity (H₂O = 1): 1.429
Physical Form: Solid

SECTION 4 - INGREDIENTS

Components - Chemical Name & Common Names
(Hazardous Components 1% or greater, Carcinogens 0.1% or greater)

Silicone

Filler **

Common Compounding Ingredients *

When Indicated Above:

** Carcinogenic - IN PURE FORM ONLY - However when incorporated into a Silicone Compound it is considered BOUND and NOT HAZARDOUS OR CARCINOGENIC ANY LONGER.

* Hazardous

SECTION 5 - CONFORMITY TO TRANSPORTATION REGULATIONS

For transportation purposes, this product is non-hazardous according to the United States Department of Transportation Code of Federal Regulations (CFR), Title 49.

SECTION 6 - POTENTIAL FIRE HAZARDS

Fire decomposition products: Carbon oxides and various hydrocarbons and silicon oxides.

Fire fighting procedure: High expansion foam Water fog. Treat as a hydrocarbon fire. Use fresh air masks.

SECTION 7 - SPILL CONTROL / WASTE DISPOSAL

Repackage uncontaminated rubber. Bury rubber wastes in an approved land fill site.

SECTION 8 - HEALTH HAZARDS, TOXICOLOGY

None of the additives are listed in the Code of Federal Regulations (CFR) Title 29 1910.1000 paragraph sub-part Z - Toxic and Hazardous Substances. This material is an inert, non-hazardous solid, however it is recommended that gloves be used during prolonged handling.

This product can generate formaldehyde at approximately 150 degrees C and above in the presence of air. Formaldehyde is a skin and respiratory sensitizer, eye and throat irritant, acute toxicant and potential cancer hazard. Use adequate ventilation and/or wear protective equipment when this product is heated at approximately 150 degrees C and above.

This material has no known hazardous properties. ACGIH and OSHA exposure limits are no longer relevant to compounding ingredients after incorporation into rubber. However since this material contains more than 1% ingredients listed as hazardous in OSHA 1910.1200, it is recommended that the protected measures described below should be followed.

SECTION 9 - PROTECTIVE MEASURES

Wear cloth gloves and appropriate clothing to minimize skin contact.

Follow good personal hygiene practices.

Observe general safety regulations for rubber processing and compounding.

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