

# SAFETY DATA SHEET

Version 1.7

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## 1. Product and Company Identification

Company : Rotometals, Inc.  
965 Estabrook St  
San Leandro CA 94577 USA

Telephone : +1 800-779-1102  
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Product Name: Casting Retainer Putty  
Product Type: Moldable Putty  
Product Description: Gray Putty-Like Compound  
General Use : Damming, Molding and Positioning Putty

## 2. Hazards Identification

**GHS Classification:** Carcinogenicity, 1A  
Skin Irritation, 2

Eye Irritation, 2B

**GHS Label Elements :**

Signal Word : Warning



### **Hazard Statements :**

H315 / 320 May cause Skin and Eye Irritation  
H333 May be harmful if inhaled (respirable dust, see NOTE below)  
H335 May cause respiratory irritation (heated vapors)

### **Precautionary Statements :**

P261 Avoid breathing dust and (heated) vapors  
P262 Do not get in eyes, on skin, or on clothing  
P281 Use personal protective equipment as required  
P302/P352 If on skin: Wash with plenty of soap and water  
P333/P313 If skin irritation or rash develops: Get medical attention.  
P305/P351/P338 If in eyes : Rinse cautiously with water for several minutes.  
Remove contact lenses if easy to do. Continue Rinsing.  
P337/P313 If eye irritation persists: Get medical attention  
P301/P330/P331 If swallowed: Rinse mouth do not induce vomiting P301/P310  
If swallowed: Immediately call a poison center or physician.  
P285 In case of inadequate ventilation wear respiratory protection P342/P311  
If experiencing respiratory symptoms : Get medical attention.  
P402/404 Store in a dry place, store in a closed container.  
P501 Dispose of observing all Federal, State and Local regulations.

**NOTE:** THIS PRODUCT IN ITS PURCHASED FORM DOES NOT PRESENT AN INHALATION HAZARD FROM FIBERS OR DUST, AS IT IS A PUTTY-LIKE COMPOUND, FIBERS AND DUST ARE NOT AIRBORN UNDER NORMAL HANDLING.

### 3. Composition / Information on Ingredients

Ingredients	CAS No.	% by weight	Binder
Base *	Mixture	20-50	
Crystalline Silica	None	2.5 – 7.5	
Glass Fiber	65997-17-3	1-20	
Kaolin	1332-58-7	20-50	
Titanium Dioxide	13463-67-7	<1	
Non Hazardous Ingredients		1-20	

\*Not considered to be hazardous according to regulatory guidelines.

### 4. First Aid Measures

Ingestion: DO NOT INGEST. Oral toxicity not determined. Do not induce vomiting.  
lungs. This product contains a petroleum fluid the fluid may be aspirated into the  
occur Call a physician or get medical help immediately. Ingestion not likely to  
in normal use.  
Inhalation: Not likely under normal conditions of use. If using in high temperature applications  
Where thermal decomposition is likely, use local exhaust to remove fumes.  
Remove to fresh air. If symptoms persist, dizziness or irritation, seek medical  
attention. Skin Contact: Wash with soap and water, consult physician if  
symptoms develop.  
Eye Contact: Flush with water 15 minutes. If symptoms persist,  
seek medical attention.

### 5. Fire Fighting Measures

Recommended Extinguishing Agent:  
Foam, Dry Chemical, Carbon Dioxide, Water Fog Special Fire  
Fighting Procedures:  
Self contained breathing apparatus and protective clothing  
should be worn in fighting fires involving chemicals.  
(Professionally Trained Personnel).  
Hazardous Products Formed by Fire  
or Thermal Decomposition:  
Oxides of carbon, aldehydes, sulfur oxides, fume, smoke, incomplete combustion products  
Unusual Fire or Explosion Hazards:  
Water stream may splash burning liquid and spread fire.  
Compressed Gases: None  
Pressure at Room Temperature: Does not apply

### 6. Accidental Release Measures

Steps to be taken in cases of  
spill or leak:  
Wear proper personal protective equipment. Remove any sources of  
ignition from the area and allow hot surfaces to cool. Return uncontaminated  
material to metal container and seal container tightly. Dispose of  
contaminated material or waste.

### 7. Handling and Storage

Storage: Cool, dry, storage. Store in closed containers.  
Handling: Avoid contact with skin and eyes. Do not breathe heated vapors.  
This product in its purchased form does not create an inhalation  
hazard from fibers or dust. If grinding or sanding or any other  
process is performed to this compound will cause airborne particles

wear appropriate respirator to avoid breathing any dust or vapors.  
Wear appropriate safety gear as required in work area.

**8. Exposure Controls / Personal Protection**

Exposure Limits Ingredients	ACGIH (TLV)	OSHA (PEL)	OTHER
Binder Base (when mist can occur)	5mg/m3	5mg/m3	
Crystalline Silica			
Cristobalite	0.05 mg/m3 (respirable)	0.025 mg/m3 (respirable)	
Tridymite	0.05 mg/m3 (respirable)		
Quartz	0.1 mg/m3 (respirable)	0.025 mg/m3 (respirable)	
Glass Fiber*	5.00 mg/m3 –inhalable 1 f/cc respirable	15 mg/m3 total dust 5 mg/m3 respirable	
* Glass fibers in this product are larger than 3.5 microns and are not considered respirable, and if breathed would not enter the lungs.			
Kaolin	2 mg/m3 (resp. fraction)	5 mg/m3 (resp. fraction)	
Titanium Dioxide	10mg/m3 TWA	15mg/m3	

**Personal Protective Equipment (PPE)**

Eyes: Safety Glasses  
Skin: Chemical resistant gloves.

**Respiratory Protection:**

NIOSH approved for organic vapors and dust, if product is heated or if dust is airborne.

**Other Protective Clothing or Equipment:**

Coveralls or other protective clothing. Safety equipment as required in area.

**Work / Hygienic Practices:**

Avoid contact with skin. Wash hands before eating.

**Engineering Controls :**

Ventilation: Local exhaust if poorly ventilated area or in confined spaces. (if heated)

**9. Chemical and Physical Properties**

Odor: Determined	Appearance:	Gray putty-like compound	
	Faint odor pH:	Not	
	Solubility in Water:	NIL	
	Specific Gravity:	1.6 (H2O =1)	
	Evaporation Rate:	Not Applicable	
	Boiling Point:	Not Applicable	
	Melting Point:	Not Applicable	
	Vapor Pressure:	Not Applicable	
	Vapor Density:	Not Established	
	VOC Content:	None	
	Flash Point:	over 540° F.	Method: Cleveland Open Cup

**Flammable Limits:**

LEL: Not Established  
UEL: Not Established

**10. Stability and Reactivity**

Stability: Stable  
Hazardous Polymerization: Will not occur  
Hazardous Decomposition:

Or By-Products: Oxides of carbon, aldehydes, sulfur oxides, fume, smoke, incomplete combustion products  
Incompatibility: Strong Oxidizers and Strong Acids

## 11. Toxicology Information

Primary Routes of Entry: Inhalation and contact.  
Signs and Symptoms of Overexposure: **Inhalation:** respiratory irritation.  
**Eyes:** Redness and irritation.  
**Skin:** Chemical dermatitis, redness and itching.  
Existing Conditions Aggravated by Exposure: Pre-existing skin condition if prolonged exposure to skin. (Wear chemical resistant gloves) Respiratory disorders, asthma, chronic emphysema (if prolonged and continuous exposure to dust or vapors).

Dust exposure is not a hazard with this product under normal use.  
Product is in a putty-like form. (Organic vapors , Wear recommended respirator if exceeding permissible exposure limit, see section 8)

Carcinogenicity  
NTP: Crystalline Silica (respirable size) Known to be a Carcinogen  
IARC: Crystalline Silica, Group 1 IARC  
Glass Fiber, Group 3 IARC (Not classifiable as to its carcinogenicity to humans)  
Titanium Dioxide, Group 2B IARC  
OSHA Regulated: NO  
Toxicity : Mixture, Not Determined

Acute Health Hazards: **Skin:** Contact on bare skin can cause chemical dermatitis, redness, itching  
**Inhalation:** Irritation if breathing heated vapors.  
Chronic Health Hazards: **Inhalation:** Crystalline Silica, respirable size NTP known carcinogen.  
Titanium Dioxide, possible carcinogen (inhalation)  
(See **NOTE** Below)

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## 12. Ecological Information

Not expected to be harmful to aquatic organisms.

## 13. Disposal Considerations

Recommended Methods of Disposal:  
RCRA 40 CFR 261 Classification : This product as purchased does not fall under current US EPA RCRA definitions of Hazardous Waste.

Certain state regulations could affect whether a material is considered a hazardous waste upon disposal. It must also be noted that a material can become a hazardous waste if it is mixed with or comes in contact with a hazardous substance during use. Under RCRA it is the responsibility of user of a product to determine at the time of disposal, whether a material should be classified as a hazardous waste.

## 14. Transport Information

DOT (49 CFR 172): Not Regulated

IATA : Not Regulated

Liquid / Solid (per ASTM D 4359-90) : Material is a solid

**15. REGULATORY INFORMATION**

CERCLA HAZARDOUS SUBSTANCES (40 CFR Part 302.4): This product is not reportable under 40 CFR Part 302.4.

SARA TITLE III SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR Part 355): This product does not contain any SARA 302 Extremely Hazardous Substances.

SARA TITLE III SECTION 311/312 HAZARDOUS CATEGORIZATION (40 CFR Part 370): Certain ingredients of this product are regulated under Sara Title III Section 311/312, see section 3 of this MSDS.

SARA TITLE III SECTION 313 (40 CFR Part 372): None

U.S. INVENTORY (TSCA): Any chemical substances (as defined in 40 CFR Part 710.2), that are contained in, or used in the manufacture of this product, are reported in the EPA TSCA Inventory. (As required per 40 CFR 710.3)

CALIFORNIA PROPOSITION 65: Crystalline Silica , Titanium Dioxide (airborne particles of respirable size) does not cover titanium dioxide when It is bound within a product matrix. (see NOTE below)

CANADA WHMIS: Ingredient Disclosure List: Titanium Dioxide, Crystalline Silica, quartz -- Crystalline Silica, Tridymite – Crystalline Silica, Cristobalite  
WHMIS Classification Titanium Dioxide: D2A , Crystalline Silica, quartz:, D2A

EUROPEAN UNION : Titanium Dioxide: CLP Acute Tox 4, Carc. 2, Crystalline Silica: CLP Carc.1A  
Glass Fibers: CLP Eye Irrit 2, Skin Irrit. 2, STOT SE3, Kaolin : CLP STOT SE3

OZONE DEPLETERS: \* This product is not manufactured with or contains any Class I or Class II Ozone Depleting Chemicals. (ODC's)

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**16. Further information**

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**Preparation Information**

Rotometals, Inc  
Product Safety – Americas Region  
1-800-779-1102