

MATERIAL SAFETY DATA SHEET

7020 CERAMIC PUTTY

Manufacturer's Name: COTRONICS CORPORATION

131 47th Street Brooklyn, NY 11232

In the event of an emergency please call Chemtrec at 1-800-424-9300 (24hr)

SECTION ONE: PRODUCT IDENTIFICATION

Chemical Name and Synonyms: N/A Mixture

Chemical Family: Aluminosilicate, Alumina, Or Silicate

Chemical Formula: N/A

Comments: See Section 9

SECTION 2: COMPOSITION INFORMATION

A. As Manufactured:	WT. %	TVL/PEL
Refractory Ceramics	50-70	
Refractory Colloid*	20-30	
Water	10-20	

B. After Normal Use See Section 8

* (Water Base)

All materials contained within are listed on the TSCA Inventory list.

This product is compliant with the RoHS Directive.

SECTION 3: PHYSICAL DATA

	As Supplied	Cured
Boiling Point (°F) :	212	N/A
Vapor Density (Air=1) :	>1	N/A
Specific Gravity Range (H₂O = 1) :	1	0.5 - 0.8
Percent Volatile by Volume:	70 - 80	N/A
(%) Solubility in Water:	Soluble	Insoluble
Evaporation Rate (H₂O = 1) :	1	N/A
Appearance and Odor:	Creamy Paste No Odor.	Solid
Vapor Pressure (mm Hg.) :	17	N/A

SECTION 4: FIRE AND EXPLOSION HAZARD DATA

Extinguishing Media:	N/A
Flash Point (Method Used) :	N/A
Flammable Limit:	N/A
Unusual Fire And Explosive Hazards:	LEL = N/A
Special Fire Fighting Procedures:	UEL = N/A

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DATE PREPARED: 11/01/85 DATE REVISED: 02/03/14

SECTION 5: HEALTH HAZARD DATA

Primary Route Of Entry: Inhalation, Ingestion And Skin Irritation.

Effects Of Overexposure:

Currently, there are no known chronic health effects in humans from long term exposure to refractory ceramic fibers. Animal studies to date are inconclusive. However, based on limited testing, refractory ceramic fibers are a suspected carcinogen in laboratory animals. The Thermal Insulation Manufacturers Association (TIMA) is sponsoring animal inhalation studies as well as epidemiological studies of workers in the industry. Until definite answers become available, strict adherence to recommended safe work practices described elsewhere in this MSDS is advised. This product contains minor amounts of binders which burn out during first heat up. Emergency and First Aid Procedures Terminate Exposure.

SECTION 6: FIRE, EXPLOSIVE AND REACTIVITY DATA

N/A

SECTION 7: SPILL OR LEAK PROCEDURES

Recommended Procedures: N/A

Waste Disposal Method: Routine Housekeeping

SECTION 8: SPECIAL PROTECTION INFORMATION

Respiratory Protection (Specify Type) Dust respirator in compliance with OSHA Standard currently 29 CFR 1910.134 (NIOSH Approved, air purifying, half mask or full face-piece respirator with appropriate filter pad or cartridge(s)).

Ventilation: Local Exhaust: Follow OSHA Standard 29 CFR 1910.94

Mechanical (General): Follow OSHA Standard 29 CFR 1910.94

Protective Gloves: Recommended

Eye Protection: Goggles/Safety Glasses Recommended

Other Protective Equipment: Long Sleeve, Loose Fitting Clothing and Barrier Cream
Material does not appear on NTP and/or LAC lists of reports for Carcinogens

SECTION 9: SPECIAL PRECAUTIONS

Precautions To Be Taken During First Exposure To Heat:

Trace temporary organic binders will burn off during the first exposure to heat. (500 - 1000°F) carbon monoxide, carbon dioxide, oxides of nitrogen, reactive hydrocarbons and a small amount of formaldehyde may accompany binder burn-off. Use adequate ventilation or other precautions to eliminate vapors resulting from binder burn-off. Exposure to burn-off fumes may cause respiratory tract irritation.

Precautions To Be Taken After Use And Upon Removal:

This product as manufactured is an aluminosilicate which could transform upon heating to mullet and cristobalite (a form of crystalline silica). Removal of this product after use may result in the generation of dust. Repeated inhalation of respirable free crystalline silica dust may cause delayed lung injury (silicosis). The recommended TLV/PEL for free crystalline silica is derived from the formula:

$$\frac{10 \text{ mg/cu m}}{\frac{1}{2}(\text{-----})\#}$$

% Respirable quartz + 2

*(Reference 1984-85 ACGIH TLV Booklet, Page 34). Appropriate ventilation should be provided and protective equipment should be worn in compliance with OSHA standard currently 29 CFR 1910.134 (NIOSH approved, air purifying, half mask or full face-piece respirator with appropriate filter pad or cartridge(s)).

HIMS RATING Health = 1 Fire = 0 Reactivity = 0

HAZARD RATING: 0 = Insignificant 1 = Non-Toxic, Slight 2 = Moderate 3 = High 4 = Extreme