

# MATERIAL SAFETY DATA SHEET

## COTRONICS

300, 3000, UT3300 Ceramic Paper  
375 Thermal Stop 390 Ceramic Tapes  
360 Ceramic Board 3360 Ceramic Board  
370 Ceramic Blanket 3370 Ceramic Blanket  
300LI Loose Insulation 396, 396HT Ceramic Ropes  
7011, 7012 Thermal Boards

**Manufactures Name:** COTRONICS CORPORATION  
131 47th Street Brooklyn, NY 11232  
Emergency Telephone Number: 718-788-5533

### SECTION ONE

**Chemical Name And Synonyms:** N/A Mixture  
**Chemical Family :** Aluminosilicate, Alumina, or Silica  
**Chemical Formula:** N/A  
**Comments:** See Section 9

### SECTION 2: COMPOSITION INFORMATION

A. As Manufactured:	WT. %	CAS	TVL/PEL
Refractory Ceramic Fiber	100	142844-00-6	2f/cc

**B. After Normal Use:**  
See Section 8

All materials contained within are listed on the TSCA Inventory list.  
This product is compliant with the RoHS Directive.

### SECTION 3: PHYSICAL DATA

<b>Boiling Point (°F) :</b>	N/A
<b>Vapor Density (Air = 1) :</b>	N/A
<b>Specific Gravity Range (H<sub>2</sub>O = 1) :</b>	0.2-1.0
<b>Percent volatile by Volume:</b>	N/A
<b>(%)Solubility in Water:</b>	INSOLUBLE
<b>Evaporation Rate (H<sub>2</sub>O = 1) :</b>	N/A
<b>Appearance and Odor:</b>	White Paper Board or Mat, No Odor
<b>Vapor Pressure (mm Hg.) :</b>	N/A

### SECTION 4: FIRE AND EXPLOSION HAZARD DATA

<b>Extinguishing Media</b>	<b>Flash Point (Method Used)</b>	<b>Flammable Limit</b>
N/A	N/A	N/A
<b>Unusual Fire and Explosive Hazards</b>	<b>Special Fire Fighting Procedures</b>	
LEL, UEL	N/A	N/A

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**DATE PREPARED:** 11/01/85 **DATE REVISED:** 02/10/08

HIMS RATING Health = 1 Fire = 0 Reactivity = 0

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

### 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

Not Flammable

### 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 "N OR P100" Approved, air purifying, half mask or full face-piece respirator.)

**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 mullite 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 "N OR P100", air purifying, half mask or full face-piece respirator.)