MATERIAL SAFETY DATA SHEET
COTRONICS WOVEN
CERAMIC FIBER PRODUCTS

391 Ultra Temp - 398 Thermeez - 395 Thermeez Tape
397 - Thermeez Tape - 399 Ultra Silica

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

SECTION ONE: PRODUCT IDENTIFICATION

Chemical Name And Synonyms: N/A Mixture
Formula: N/A
Chemical Family: 395 and 397 Silicate-Calcium-Alumino complex, 391 Alumina, 399 Silica, 398 Nomex Aramid

SECTION 2: COMPOSITION INFORMATION

A. *As Manufactured* ***WT. %***
Ceramic Fiber Dia. 100 6-12 Microns
All materials contained within are listed on the TSCA Inventory list.
This product is compliant with the RoHS Directive.

SECTION 3: PHYSICAL DATA

Boiling Point (°F): N/A
Specific Gravity Range (H_2O = 1): 0.2 - 1.2
Vapor Pressure (mm Hg.): N/A
Vapor Density (Air = 1): N/A
Percent Volatile by Volume (%): N/A
Solubility in Water: Insoluble
Evaporation Rate (H_2O = 1) : N/A
Appearance and Odor: Fiber Shape. No Odor.

SECTION 4: FIRE AND EXPLOSION HAZARD DATA

Extinguishing Media: N/A ***Lower Explosion Limits***: N/A
Flash Point (Method Used): N/A ***Upper Explosion Limits:*** N/A
Flammable Limit: N/A
Unusual Fire and Explosive Hazards: N/A
Special Fire Fighting Procedures: N/A

DISCLAIMER: *The information supplied is not to be taken as a warranty or representation for which Cotronics Corp. assumes legal responsibility. It is offered solely for your consideration, investigation and verification. all risk of use, singly or in combination with other products, whether or not in accordance with the instructions, directions, or suggestions is borne by the user.*

* 395 and 397 is considered as Nuisance dust PEL of 5 mg/m^3

**(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).

** Not Required for types 391 and 398

SECTION 5: HEALTH HAZARD DATA

Primary Route of Entry: Inhalation, Ingestion
Effects Of Overexposure: *nose and throat Irritation* and Skin Irritation
Due to their large Diameter (6-12 microns) these Ceramic Fibers are considered non-respirable and would be expected to cause only minor nose and throat Irritation If inhaled.
These products 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.(5001000 ºF) carbon monoxide, carbon dioxide, oxides of nitrogen, reactive hydrocarbons 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:
For Type 399*
This product as manufactured is an silica which could transform upon heating to 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: 10 mg/cu m

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% Respirable quartz + 2

Date prepared : 11/01/85 Date revised : 01/07/09

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