MATERIAL SAFETY DATA SHEET  
COTRONICS 700 SERIES CASTABLE CERAMICS

RTC-60  Castable Alumina Ceramic  
RTC-70  Castable Alumina Ceramic  
740  Liquid Alumina Silica  
750  Liquid Fused Silica  
Rescor LX

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

Base (part A) : Powder  
Chemical Family: Refractory Ceramic Composition. Proprietary Alumina, Zirconia, 
Silica, Silicon Carbide.

Activator (Part B) : Liquid  
Chemical Family: Proprietary Water Based Colloid Composition (Alumina, Silica)

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

SECTION 2: COMPOSITION INFORMATION

A. As Manufactured  WT. %  TVL/PEL

Base: Respirable Nuisance Dust 100 5 mg/cu m*  
* (1984-85 ACGIH TLV Booklet, Page 50)

SECTION 3A: BASE (POWDER) PHYSICAL DATA

Boiling Point (°F) : N/A  
Specific Gravity Range (H2O = 1) : 0.9 - 3.1  
Vapor Pressure (mm Hg.) : N/A  
Vapor Density (Air=1) : N/A  
Percent Volatile by Volume (%) : Insoluble
Solubility in Water: N/A
Evaporation Rate (=1) : Fine Powdered Matrix with Coarse Aggregate  
Appearance and Odor: No Odor.

SECTION 3B: ACTIVATOR (LIQUID) PHYSICAL DATA

Activator Supplied with  RTC-70, 740, 750, 760, 780, 360LF, Rescor LX  
Boiling Point (°F) : 212  
Specific Gravity Range (H2O = 1) : 1.25 - 2.1  
Vapor Pressure (mm Hg.) : 24 @ 77°F  
Vapor Density (Air=1) : Water  
Percent Volatile by Weight (%) : 50-70  
Solubility in Water: Soluble  
Evaporation Rate (=1) : 1  
Appearance and Odor: Opalescent liquid No Odor.

HIMS RATING  Health = 1  Fire = 0  Reactivity = 0  
HAZARD RATING: 0 = In
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

SECTION 5: HEALTH HAZARD DATA

Primary Route Of Entry: Inhalation.
Effects of Overexposure: Nuisance dust may cause Nasal, Throat or Lung irritation or discomfort. May aggravate Bronchial disorders. Slight dermatological irritation after prolonged skin contact.
Emergency And First Aid Procedures: Flush eyes and skin with copious quantities of water. Get immediate medical attention for eyes. If swallowed, consult physician immediately.

SECTION 6: FIRE, EXPLOSIVE AND REACTIVITY DATA

Stability: Stable
Incompatibility (Materials to Avoid): None
Hazardous Decomposition Products: None
Hazardous Polymerization: Will Not Occur

SECTION 7: SPILL OR LEAK PROCEDURES

Steps to be Taken in Case Material is Released or Spilled:
Sweep up spilled powder and dispose in approved industrial waste container.
Hose spilled neat cement paste with water, immediately. Cement is not water soluble after setting up. Waste Disposal Method: Approved industrial waste disposal means.

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)).
Mechanical (General): Follow OSHA Standard 29 CFR 1910.94.

SECTION 8: SPECIAL PRECAUTIONS

This product as manufactured contains silicate which could transform upon heating to mullet and crystobalite (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 is derived from the formula

10 mg/cu m
½(----------)#
% Respirable quartz +

*(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)).

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.

DATE PREPARED: 11/01/85 DATE REVISED: 01/07/09

significant 1 = Non-Toxic, Slight  2 = Moderate  3 = High  4 = Extreme