

MATERIAL SAFETY DATA SHEET

TRADE NAME

COTRONICS DURAPOT 800 SERIES

DURAPOT 801 DURAPOT 809
DURAPOT 804 DURAPOT 810
DURAPOT 805 DURAPOT 814
DURAPOT 808 DURAPOT 820

Manufactures Name: COTRONICS CORPORATION
3379 Shore Parkway Brooklyn, NY 11235
Emergency Telephone Number: 718-646-7996

SECTION ONE:

Chemical Name And Synonyms: N/A Mixture
Formula: N/A
Chemical Family: Refractory Ceramic Composition
Comments: N/A
Proprietary Silicate, Phosphate, Alumina, Zirconia, Bond

SECTION 2: COMPOSITION INFORMATION

<i>As Manufactured</i>	<i>WT. %</i>	<i>TVL/PEL</i> Respirable Nuisance
Part A		
Dust	100	5 mg/cu m*

*(1984-85 ACGIH TLV Booklet, Page 50) After Normal Use See Section 8
Part B
See page 2
All materials contained within are listed on the TOSCA Inventory list.

SECTION 3: 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 (%) : N/A
Solubility in Water: Insoluble
Evaporation Rate (=1) : N/A
Appearance/Odor: Coarse Aggregate with Fine Powdered Matrix.
No Odor.

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: N/A
Special Fire Fighting Procedures: N/A
Lel Uel = N/A

SECTION 5: HEALTH HAZARD DATA

Threshold Limit Value: None
Effects Of Overexposure: 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) : Respirators recommended for applications.
Ventilation: Local Exhaust: Dust
Mechanical (General) : Dust
Protective Gloves: Recommended
Eye Protection: Recommended
Other Protective Equipment: Rubber aprons, lab coats, etc. to protect clothing.

SECTION 9: SPECIAL PRECAUTIONS

Precautions To Be Taken In Handling And Storing: Keep container closed and avoid getting wet until ready to use.
Other Precautions: *Wash Hands Thoroughly Before Eating Or Smoking. Avoid Getting Powder In Body Openings, Including Cuts, Sores, Mouth, Etc.*

*(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:** 08/05/03

HIMS RATING Health = 1 Fire = 0 Reactivity = 0

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

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COTRONICS DURAPOT 800 SERIES

PART B

Manufactures Name: COTRONICS CORPORATION

3379 Shore Parkway Brooklyn, NY 11235
Emergency Telephone Number: 718-646-7996

SECTION ONE: PRODUCT IDENTIFICATION

Chemical Name And Synonyms: N/A Mixture
Chemical Family: Alumina, Quartz, Magnesia, Zirconia, or Silica
Chemical Family: Refractory Ceramic Colloid
Proprietary Silicate, Phosphate, Alumina, Zirconia, Colloid Bond.

SECTION 2: COMPOSITION INFORMATION

As Manufactured:	WT. %	TVL/PEL
A. Liquid Binder or Thinner		
Refractory Ceramic Colloid	20 - 50	N/A
Water	50 - 80	
B. After Normal Use See Section 8		
C. Mist or Dried dust from spraying (Not formed in normal use)	30 - 50	10 mg/m ³

All Materials contained within are located on the TOSCA Inventory List

SECTION 3: PHYSICAL DATA

	As Supplied	As Cured
Boiling Point (§F) :	212°F	N/A
Specific Gravity (H₂O=1) :	1.2 - 1.4	1.2-2.5
Vapor Pressure (mm Hg.) :	0.2-1.2	N/A
Vapor Density (Air=1) :	>1	N/A
Percent Volatile By Volume:	20-50	N/A
Solubility In Water:	Soluble	Insoluble
Evaporation Rate (H₂O=1) :	1	N/A
Appearance/Odor:	Clear or Opalescent liquid /No Odor	Solid No Odor

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, Ingestion, Eyes and Skin Irritation.
Effects Of Overexposure: Long term overexposure to inhalation of mists or dust of dried down particles may cause tissue response in the lung (Pneumoconiosis).
Emergency & First Aid Procedures: Terminate exposure. Flush eyes with water for 15 minutes. Call a doctor

SECTION 6: FIRE, EXPLOSIVE AND REACTIVITY DATA

N/A

SECTION 7: SPILL OR LEAK PROCEDURES

Recommended Procedures: Routine Housekeeping
Waste Disposal Method: N/A

SECTION 8: SPECIAL PROTECTION INFORMATION

Respiratory Protection (Specify Type) : Respiratory protection is not normally needed since the volatility and toxicity are low. If significant mists or aerosols are generated, wear a NIOSH approved or equivalent respirator, (ANSI Z-88.2, 1980 for requirements and selection).
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: As required to meet applicable OSHA Standards .

SECTION 9: SPECIAL PRECAUTIONS

Precautions To Be Taken After Use And Upon Removal: This product as manufactured is a Silicate 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 dust may cause delayed lung injury (silicosis). The recommended TLV/PEL for free crystalline silica is derived from the formula: 10 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)).

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