

SAFETY DATA SHEET

Elementis Specialties, Inc.
P.O. Box 700
Hightstown, NJ 08520
Customer Service: (800) 866-6800

Emergency Telephone No.
CHEMTREC: (800) 424-6300
ELEMENTIS: (609) 443-2000

1. PRODUCT NAME: Bentone ® 990	Approval Date: November 15, 2000
Product Code:	Supersedes Date: October 1, 1999

2. PRODUCT COMPOSITION

Product Classification: Rheological Additive		
HAZARDOUS SUBSTANCES	C.A.S. No.	Percent
Crystalline Silica - Quartz	14808-60-7	1.0 - 10.0

3. HAZARD IDENTIFICATION

<p>Warning: May cause slight eye irritation. Nuisance Dust: Long term exposure to airborne concentrations above the recommended exposure guidelines may cause lung damage. Contains Crystalline Silica which is classified by IARC as carcinogenic to humans.</p>	<p>Protective Measures: Avoid contact with the eyes. Use in well ventilated areas. Do not breathe dust.</p>
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4. FIRST AID MEASURES

Eye Contact:	Rinse immediately with water for at least 15 minutes.
Skin Contact:	Wash with soap and water.
Ingestion:	Provide symptomatic treatment and seek medical attention.
Inhalation:	Remove person to fresh air. If breathing is difficult, provide oxygen and seek medical attention.
Other:	None known.

5. FIRE FIGHTING MEASURES

Flash Point : N.A.	Method: N.A.	LEL: 0.07 oz/cu. ft.	UEL: N.A.
EXTINGUISHING MEDIA/FIRE FIGHTING PROCEDURES			
Water fog, foam, dry chemical, or carbon dioxide.			
UNUSUAL HAZARDS			
Normal precautions for organic dusts should be provided. Avoid high dust concentrations and ensure all equipment is properly grounded to prevent static discharges.			



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6. ACCIDENTAL RELEASE MEASURES

RELEASE RESPONSE
Minimize dusting. Caution: May cause a slippery condition when wet. Sweep/shovel up and transfer into a drum for re-use or disposal.
PERSONAL PROTECTIVE EQUIPMENT
Wear an air-purifying dust respirator and chemical resistant gloves. Wear eye protection to prevent dust from entering the eyes.

7. HANDLING AND STORAGE

HANDLING
Avoid high dust concentrations while handling through the use of ventilation or other suitable controls. Ensure all equipment is grounded to prevent static discharge.
STORAGE
None.

8. EXPOSURE CONTROL INFORMATION

OCCUPATIONAL EXPOSURE LIMITS		
Particulates not otherwise classified:	<u>ACGIH - TLV</u> 8 hr. TWA - 10 mg/m ³ , total 8 hr. TWA - 3 mg/m ³ , respirable	<u>OSHA - PEL</u> 8 hr. TWA - 10 mg/m ³ , total 8 hr. TWA - 5 mg/m ³ , respirable
Quartz:	8 hr. TWA - 0.1 mg/m ³ , respirable	8 hr. TWA - 0.1 mg/m ³ , respirable
ENGINEERING CONTROL MEASURES		
Use local exhaust ventilation if airborne concentrations are above recommended exposure limits.		
PERSONAL PROTECTION EQUIPMENT		
Respiratory:	Use an air-purifying dust respirator if airborne concentration levels are above exposure limits.	
Hand:	Use chemical resistant gloves.	
Eye:	Use safety glasses/goggles.	
Other:	None.	
OTHER CONTROL MEASURES		
Use good hygiene practices. Wash hands and face before eating or drinking.		

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9. PROPERTIES

Appearance: Off-White Powder	Odor: None	pH: N.A.
Boiling Range: N.A.	Melting Range: N.A.	Specific Gravity: 1.7 g/cm ³
Solubility: Insoluble.	Vapor Density: N.A.	Vapor Pressure: N.A.
% Volatile: N.A.	Freezing Point: N.A.	Density at 20° C: Not measured.

10. REACTIVITY INFORMATION

Conditions to Avoid:	None known.
Materials to Avoid:	None known.
Hazardous Decomposition:	Ammonia and Carbon Dioxide.
Stability:	Stable.

11. HEALTH/TOXICITY INFORMATION

HEALTH HAZARDS	
<u>Effects of Acute Exposure</u>	
Inhalation:	May cause slight irritation.
Skin Contact:	Not expected to cause irritation.
Skin Absorption:	Can not be absorbed through the skin.
Eye Contact:	May produce slight (mechanical) irritation.
Ingestion:	Not expected to produce adverse effects.
<u>Effects of Chronic Over Exposure</u>	
As with any dust, long term exposure to concentrations above recommended exposure guidelines may overload the lung clearance mechanism and cause adverse lung effects and shortness of breath.	
Long term over exposure to products containing Crystalline Silica may cause silicosis.	
IARC has classified Crystalline Silica as carcinogenic to humans.	
Listed as a suspected carcinogen on:	IARC: Yes NTP: Yes-Respirable. OSHA: No
Medical Conditions Aggravated:	Respiratory disorders.
TOXICITY INFORMATION	
Oral LD ₅₀ (rat): > 8 g/kg.	



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ENVIRONMENTAL/DISPOSAL CONSIDERATIONS

12. ENVIRONMENTAL HAZARDS
None known.
13. DISPOSAL CONSIDERATIONS
Dispose of in a manner in accordance with local and federal regulations. Use a licensed waste handler.

14. TRANSPORTATION

Shipping Name: Not regulated.	Label: N.A.
Hazard Class: N.A.	Packing Group: N.A.
	UN#: N.A.

15. REGULATORY INFORMATION

CHEMICAL INVENTORIES In compliance denotes that all components are on the inventory or exempt.			
U.S. TSCA Inventory:	On the Inventory	Canadian DSL:	NOT On the DSL(on NDSL)
European Inventory:	On the EINECS	Australian AICS	On the Inventory
SARA 313 Information			
None known.			
OTHER REGULATORY INFORMATION			
WHMIS: Contains > > 0.1% Crystalline Silica.			

16. OTHER INFORMATION

H.M.I.S. CODES	Health: 2	Flammability: 1	Reactivity: 0
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