

# Ferotec Friction, Inc.

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<b>Material Safety</b>	<b>D9705</b>	<b>Data Sheet</b>		
<b>Telephone:</b> (717) 492-9600	<b>Revision Date:</b> 8/1/2013	<b>Fax:</b> (717) 492-9601		
<b>I. Product Information:</b>				
<b>Product Name:</b> D9705				
<b>Trade Name:</b> Non-asbestos Flow Molded Friction Material				
<b>II. NFPA (0 = No Hazard; 4 = Severe Hazard):</b>				
<b>Health</b> 1	<b>Reactivity</b> = 0	<b>Fire</b> = 1		
<b>III. Ingredient Information:</b>				
<b>Hazardous Components</b>	<b>C.A.S. Number</b>	<b>Percent</b>	<b>OSHA PEL (mg/m<sup>3</sup>)</b>	<b>ACGIH TLV (mg/m<sup>3</sup>)</b>
*Fiber Glass	65997-17-3	10-25	15	10
Mineral Wool	Not Listed	8-25	15	10
Phenolic Resin	Mixture	8-25	Not Listed	Not Listed
Aluminum Oxide	1344-28-1	2-10	15	10
The above chemicals marked with an asterisk (*) are subject to Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) Part 372 Part C-Supplier Notification Requirement.				
<b>IV. Physical Data:</b>				
<b>Boiling Point (°F):</b>	NA		<b>Evaporation Rate (Butyl Acetate = 1)</b> NA	
<b>Vapor Pressure (mm Hg):</b>	NA		<b>Specific Gravity (Water = 1):</b>	1.75
<b>Water Solubility (%):</b>	NA		<b>Melting Point (°F):</b>	NA
<b>Vapor Density (Air = 1):</b>	NA		<b>% Volatile by Volume:</b>	NA
<b>Appearance And Odor:</b> Light colored hard friction material with little or no odor.				
<b>V. Fire and Explosion Data:</b>				
<b>Flash Point (°F):</b>	NA		<b>Flammable Limits: LEL</b> = NA <b>UEL</b> = NA	
<b>Extinguishing Media:</b>	Water, foam, dry chemical		<b>Unusual Fire and Explosion Hazards:</b> None	
<b>Special Fire Fighting Procedures:</b> In a sustained fire, self-contained breathing apparatus (SCBA) should be worn.				
<b>VI. Health Data: A. Summary/Risks:</b>				
Mineral Wool Fiber - Limited evidence of carcinogenicity in humans. However, IARC concluded that Mineral Wool Fiber should be placed in Category 2B, possibly carcinogenic to humans. Continuous Filament Fiberglass - Inadequate evidence of carcinogenicity in both human and animal scientific studies to link this fiber to human cancer, therefore classified it as Group 3.				
<b>Clinical conditions which may be aggravated:</b> Any condition generally aggravated by mechanical irritants in air or on skin.				
<b>Target Organs:</b> Lungs, skin.				

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<b>Acute Health Effects:</b>	Temporary irritation of the mouth, nose, and throat.	
<b>Chronic Health Effects:</b>	Designated by IARC as "not classifiable as to human carcinogenicity." Not listed by NPT or by OSHA.	
<b>Primary Routes of Entry:</b>	Inhalation	
<b>VI. Health Data: B. Signs/Symptoms of Overexposure:</b>		
<b>Inhalation:</b>	May cause temporary upper respiratory irritation.	
<b>Skin Contact:</b>	Acute - Transient mechanical irritation. Chronic - None.	
<b>Ingestion:</b>	Acute - Unlikely to occur. Observe individual, if symptoms develop, consult physician. Chronic - None known.	
<b>Eyes:</b>	Acute - Direct contact will cause mechanical irritation. Chronic - None known.	
<b>VI. Health Data: C. First Aid/Emergency Procedures:</b>		
<b>Inhalation:</b>	Remove from exposure. Get medical help if irritation persists.	
<b>Skin Contact:</b>	Wash with mild soap and running water.	
<b>Ingestion:</b>	Unlikely. Consult physician if unusual reaction is noted.	
<b>Eyes:</b>	Flush with flowing water for at least 15 minutes. If symptoms persist, seek immediate medical attention.	
<b>VII. Reactivity Data:</b>		
<b>Conditions to Avoid:</b>	Avoid creating dust. Vacuum when possible.	
<b>Hazardous Decomposition Products:</b>	Incomplete combustion may release toxic materials.	
<b>VIII. Spill or Leak Procedures:</b>		
<b>Procedures for Spill/Leak:</b>	Use vacuum if dust is involved.	
<b>Waste Management:</b>	In accordance with state and local regulations.	
<b>IX. Special Protection Information:</b>		
<b>Goggles:</b>	May be appropriate in certain operations.	
<b>Gloves:</b>	May reduce skin irritation in some operations.	
<b>Respirator:</b>	NIOSH approved nuisance dust respirator if TLV is exceeded.	
<b>Ventilation:</b>	Use local exhaust ventilation.	
<b>Other:</b>	Wear long sleeved shirts, loose fitting clothing and use good personal hygiene.	
<b>Special Consideration for Repair &amp; Maintenance of Contaminated Equipment:</b>	NA	
<b>X. Special Considerations:</b>		
<b>Special Handling/Storage:</b>	Store in a dry place. Label information: "Any fiber or dust may be a hazard to your health. Use respirators and/or dust control measures as well as eye protection when handling or processing this product. Do not ingest."	
<b>Other:</b>	Wash with mild soap and warm water after handling. Wash work clothes separately.	
<i>The information and recommendations set forth herein are taken from sources believed to be accurate as of the date thereof; however, Ferotec Friction makes no warranty with respect to the accuracy of the information or the suitability of the recommendations and assumes no liability to any user thereof.</i>		