

Ferotec Friction, Inc.

150 Shellyland Road Rapho Business Park

PO Box 387 Mount Joy, PA 17552

(717) 492-9600 Fax: (717) 492-9601

Material Safety	D9201-5	Data Sheet		
Telephone: (717) 492-9600	Revision Date: 8/1/2013	Fax: (717) 492-9601		
I. Product Information:				
Product Name: D9201-5				
Trade Name: High Friction Flexible Brake Lining				
II. NFPA (0 = No Hazard; 4 = Severe Hazard):				
Health = 1	Reactivity = 0	Fire = 1		
III. Ingredient Information:				
Hazardous Components	C.A.S. Number	Percent	OSHA PEL (mg/m³)	ACGIH TLV (mg/m³)
Barium Sulfate	7727-43-7	15-24	10	10
Mineral Wool	Not Listed	9-21	15	10
Nitrile Rubber	Mixture	12-20	Not Listed	Not Listed
Phenolic Resin	Mixture	5-3	Not Listed	Not Listed
*Zinc	7440-66-6	1-9	Not Listed	Not Listed
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 Sub Part C-Supplier Notification Requirement.				
IV. Physical Data:				
Boiling Point (°F):	NA	Evaporation Rate (Butyl Acetate = 1)	NA	
Vapor Pressure (mm Hg):	NA	Specific Gravity (Water = 1):	1.95	
Water Solubility (%):	NA	Melting Point (°F):	NA	
Vapor Density (Air = 1):	NA	% Volatile by Volume:	NA	
Appearance And Odor: Grayish-black, little or no odor				
V. Fire and Explosion Data:				
Flash Point (°F):	NA	Flammable Limits:	LEL = NA	UEL = NA
Extinguishing Media:	Water, foam, dry chemical		Unusual Fire and Explosion Hazards: None	
Special Fire Fighting Procedures: In a sustained fire, self-contained breathing apparatus (SCBA) should be worn.				
VI. Health Data: A. Summary/Risks:				
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.				
Clinical conditions which may be aggravated: Any condition generally aggravated by mechanical irritants in air or on skin.				
Target Organs:	Lungs, skin.			
Acute Health Effects:	Temporary irritation of the mouth, nose, and throat.			

Material Safety	D9201-5	Data Sheet
Chronic Health Effects: Possible cancer causing agent to humans (IARC).		
Primary Routes of Entry: Inhalation		
VI. Health Data: B. Signs/Symptoms of Overexposure:		
Inhalation:	May cause temporary upper respiratory irritation.	
Skin Contact:	Acute - Transient mechanical irritation. Chronic - None.	
Ingestion:	Acute - Unlikely to occur. Observe individual, if symptoms develop, consult physician. Chronic - None known.	
Eyes:	Acute - Direct contact will cause mechanical irritation. Chronic - None known.	
VI. Health Data: C. First Aid/Emergency Procedures:		
Inhalation:	Remove from exposure. Get medical help if irritation persists.	
Skin Contact:	Wash with mild soap and running water.	
Ingestion:	Unlikely. Consult physician if unusual reaction is noted.	
Eyes:	Flush with flowing water for at least 15 minutes. If symptoms persist, seek immediate medical attention.	
VII. Reactivity Data:		
Conditions to Avoid:	Avoid creating dust. Vacuum when possible.	
Hazardous Decomposition Products: Incomplete combustion may release toxic materials.		
VIII. Spill or Leak Procedures:		
Procedures for Spill/Leak:	Use vacuum if dust is involved.	
Waste Management:	In accordance with state and local regulations.	
IX. Special Protection Information:		
Goggles:	May be appropriate in certain operations.	
Gloves:	May reduce skin irritation in some operations.	
Respirator:	NIOSH approved nuisance dust respirator if TLV is exceeded.	
Ventilation:	Use local exhaust ventilation.	
Other:	Wear long sleeved shirts, loose fitting clothing and use good personal hygiene.	
Special Consideration for Repair & Maintenance of Contaminated Equipment: None		
X. Special Considerations:		
Special Handling/Storage: 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."		
Other:	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>		