

# Ferotec Friction, Inc.

150 Shellyland Road Rapho Business Park

PO Box 387 Mount Joy, PA 17552

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

<b>Material Safety</b>	<b>D9201-3</b>	<b>Data Sheet</b>
<b>Telephone:</b> (717) 492-9600	<b>Revision Date:</b> 08/01/2013	<b>Fax:</b> (717) 492-9601
<b>I. Product Information:</b>		
<b>Product Name:</b> D9201-3		
<b>Trade Name:</b> Low Friction Flexible Brake Lining		
<b>II. NFPA (0 = No Hazard; 4 = Severe Hazard):</b>		
<b>Health = 1</b>	<b>Reactivity = 0</b>	<b>Fire = 1</b>
<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>
Barium Sulfate	7727-43-7	15-20
Mineral Wool	Not Listed	19-21
Carbon Black	1333-86-4	2-6
Graphite	7782-42-5	9-14
*Zinc Sulfide	1314-98-3	1-3
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.		
<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> 1.89
<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> Grayish-black, little or no odor		
<b>V. Fire and Explosion Data:</b>		
<b>Flash Point (°F):</b>	NA	<b>Flammable Limits: LEL = NA UEL = NA</b>
<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>		
<b>Mineral Wool Fiber:</b> Limited evidence of carcinogenicity in humans. However, IARC concluded that Mineral Wool Fiber should be placed in Category 2B, possibly carcinogenic to humans.		
<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.	
<b>Acute Health Effects:</b>	Temporary irritation of the mouth, nose, and throat.	

Material Safety	D9201-3	Data Sheet
<b>Chronic Health Effects:</b> Possible cancer causing agent to humans (IARC).		
<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> None		
<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>		