

Ferotec Friction, Inc.

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| Material Safety | D4080 | Data Sheet |
|---|--|---|
| Telephone: (717) 492-9600 | | |
| Revision Date: 8/1/2013 | | |
| Fax: (717) 492-9601 | | |
| I. Product Information: | | |
| Product Name: D4080 | | |
| Trade Name: Semi-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 | 9-15 |
| Carbon Black | 1333-86-4 | 5-6 |
| Fiberglass | 65997-17-3 | 2-10 |
| Mineral Wool Fiber | Not listed | 2-12 |
| *Zinc Oxide | 1314-13-2 | .5-1 |
| | | 10 |
| | | 15 |
| | | 10 |
| <p>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.</p> | | |
| IV. Physical Data: | | |
| Boiling Point (°F): | NA | Evaporation Rate (Butyl Acetate = 1) NA |
| Vapor Pressure (mm Hg): | NA | Specific Gravity (Water = 1): 1.80 |
| Water Solubility (%): | NA | Melting Point (°F): NA |
| Vapor Density (Air = 1): | NA | % Volatile by Volume: NA |
| Appearance And Odor: | Gray molded | |
| 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: | | |
| <p><u>Mineral Wool Fiber:</u> Limited evidence of carcinogenicity in humans. However, IARC concluded that Mineral Wool Fiber should be placed in Category 2B, possibly carcinogenic to humans.</p> <p><u>Continuous Filament Fiberglass:</u> Inadequate evidence of carcinogenicity in both human and animal scientific studies to link this fiber to human cancer. Therefore, classified as Group 3.</p> | | |
| 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. | |

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| Chronic Health Effects: Possible cancer causing agent to humans (IARC). Not listed by NTP or by OSHA. | | |
| 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> | | |