# Section 1 - PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Abex Thick Block  
**Identity:** (as used on Friction Material): NRP11009FE, AE1240FF, NRP11162FF, AE1215FF, NRSP11022FF, NSS1250FF, NRP1015EE, AE1275EE, NRP11029GG, NRSP11038GG, NRP11008FF, NRSP11004FF, AE1250FF, NRP11020FF, AE1260FF, NRSP1105FF, NRP11007GG, NRSP11027FF, AE1240FF, NRSP11138GG, AE1350GG, NRSP11011GG, AE1290GG, NRSP11052GG, AE1225GG, NRSP11019GG, NSS11021EE, NSS1255GG, NRP11010GG, AE1270GG, NRSP11028GG, NRP11204FE, NSS1310FE, AE1220FE, NSS1260EE, NRSP11091EE, AE1230EE, NRSP11021EE, NSS1265EE, NSS1260EE, AE1210FE, AES1215FF, AE1225GG, AE1235FE, AE1240FF, AE1250FF, AE1255FF, AE1260FF, AE1270GG, AE1275EE, AE1295FF, AE1320GG, AE1340FF, AE1350GG, NSS1100FF, NSS1130FF, NSS1200FE, NSS1205EE, NSS1255GG, NSS1270GG, NSS1280GG, NSS1285GG, NSS1310FE

**MANUFACTURER'S NAME:**  
Abex Friction Products Division  
Pneumo Abex Corporation  
2410 Papermill Road, P.O. Box 3250  
Winchester, Virginia 22601

**EMERGENCY TELEPHONE NO.:**  
(703)662-3842

**PNEUMO ABEX CORPORATION**  
2410 Papermill Road, P.O. Box 3250  
Winchester, Virginia 22601

**SUPPLIER'S NAME:**  
Rayloc  
Division of Genuine Parts Company  
3100 Windy Hill Road  
Atlanta, Georgia 30339

**MISCELLANEOUS INFORMATION:**  
(703)662-3871

**REVISION DATE:**  
Nov. 1, 2012

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# Section 2 - HAZARDOUS INGREDIENTS

<table>
<thead>
<tr>
<th>CAS NO.</th>
<th>INGREDIENT</th>
<th>ACGIH TLV</th>
<th>OSHA TLV</th>
<th>VP</th>
</tr>
</thead>
<tbody>
<tr>
<td>10.0mg/m³</td>
<td>Glass Fiber</td>
<td>10.0mg/m³</td>
<td>10.0mg/m³</td>
<td>0.1mg/m³</td>
</tr>
<tr>
<td>0.1mg/m³</td>
<td>Silica, Silicates, Tripoli, Talc (non-fibrous form)</td>
<td>0.1mg/m³</td>
<td>0.1mg/m³</td>
<td>2.0mg/m³</td>
</tr>
<tr>
<td>2.0mg/m³</td>
<td>Carbon products, Carbon Black, Graphite, others</td>
<td>2.0mg/m³</td>
<td>2.0mg/m³</td>
<td>5.0mg/m³</td>
</tr>
<tr>
<td>5.0mg/m³</td>
<td>Phenolic, Cashew and Elastomer Compounds</td>
<td>5.0mg/m³</td>
<td>5.0mg/m³</td>
<td></td>
</tr>
</tbody>
</table>
Wood Flour and Other Fillers  
1.0mg/m³  1.0mg/m³

Metals and their Oxides -
- Iron, Zinc, Aluminum, Brass, Magnesium  
10.0mg/m³  10.0mg/m³

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Section 3 - HAZARDS IDENTIFICATION

- Routes of Entry
  Inhalation: Yes    Skin: Yes    Ingestion: Yes

- Signs and Symptoms of Exposure
  Cashew Resins - skin eruptions similar in appearance to poison ivy.
  Pneumoconiosis - coughing, wheezing, shortness of breath, impaired pulmonary function. Dusts in eye may cause irritation. Gastrointestinal disturbances possible from ingestion. Glass fiber may create transient mechanical irritation of the skin of some persons.

- Health Hazards (Acute and Chronic)
  Some persons may be sensitive to cashew resins and develop dermatitis-type problems. Dust of glass fiber, silica, talc, graphite, carbon black, and coal can produce pneumoconiosis and other lung damage. Metal dusts can be irritants of the eyes and upper respiratory system. There is little evidence of chronic industrial poisoning from iron, aluminum, and zinc dusts.

- Carcinogenicity
  NTP: No    IARC Monographs: No    OSHA Regulated: No

- Medical Conditions Generally Aggravated by Exposure
  None Known

Section 4 - FIRST AID MEASURES

- Emergency and First Aid Procedures
  Should not be necessary from reasonable handling of this product.

Section 5 - FIREFIGHTING MEASURES
Flash Point (method used): Not Available
Flammable Limits: Not Available
LEL: No Information
UEL: No Information
Extinguishing Media: Water (Class A,B,or C)
Special Firefighting Procedures: Not Known
Unusual Fire & Explosion Hazards: Not Known

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Section 6 - ENVIRONMENTAL RELEASE MEASURES

- Steps to be taken in case material is released or spilled
  Grinding, drilling, milling, etc. can result in the release of airborne dust. Measures as outlined in Section 8 should be followed if this occurs.

Section 7 - HANDLING AND STORAGE

No Information Available

Section 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection: NIOSH approved for pneumoconiosis - fibrosis producing dusts and dusts with TLV not less than 0.5mg/m3.

Ventilation: Local Exhaust - For dust exposures exceeding TLV.
  Mechanical (general) - Not recommended for dust exposures.
  Special - Not Known
  Other - Barrier creams for persons with skin sensitive to cashew resins and fiber glass.
Protective Gloves: Recommended.

Eye Protection: Should not be needed for normal handling of product. Eye protection is good practice where dust is propelled by grinding or drilling activities.

Other Protective Clothing or Equipment:
Long sleeved shirts or other protective clothing may be beneficial to prevent skin contact of persons sensitive to cashew resins and fiber glass.

Work/Hygienic Practices:
Employees should be properly instructed in the use of control measures as indicated above when there is a need for it. If dust from this product is produced, unnecessary exposures should be avoided by using a vacuum in place of dry brooming. Use wet method of cleaning for other surfaces. Proper and adequate personal hygiene should be practiced by exposed workers.

-Other Precautions
Pre-employment screening for allergies and histories of skin sensitivities may be beneficial in determining persons sensitive to cashew materials.

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Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point/Melting Point: Not Available
Specific Gravity (H2O=1): 1.5-3.5
Vapor Pressure (mmHg): Not Available
Vapor Density (air=1): Not Available Evaporation Rate: 0
Melting Point: Not Available (butyl acetate=1)
Solubility in Water: N/A

Appearance and Odor: Solid - Dark grey color, friction material odor, dust

Section 10 - STABILITY AND REACTIVITY
Stability: Stable
Conditions to Avoid: Not Known

Incompatibility (materials to avoid): Not Known
Hazardous Decomposition or Byproducts: Incomplete combustion will create carbon monoxide and dioxide.

Hazardous Polymerization: Will not occur.
Conditions to Avoid: Not Known

Section 11 - TOXICOLOGICAL INFORMATION

Information Not Available

Section 12 - ECOLOGICAL INFORMATION

Information Not Available

Section 13 - DISPOSAL CONSIDERATIONS

-Waste Disposal Method

Hazardous ingredients: 40 CFR, Part 261, 262 and applicable state and local regulations

Section 14 - TRANSPORT INFORMATION

Information Not Available

Section 15 - REGULATORY INFORMATION

No Information Available
Section 16 - OTHER INFORMATION

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