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MATERIAL SAFETY DATA SHEET

Effective Date: June 14, 1990

Code: Abex Thick Block

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Section 1 - PRODUCT AND COMPANY IDENTIFICATION

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PRODUCT NAME: Abex Thick Block

Identity: (as used on Friction Material): NRP11009FE, AE1240FF, NRP11162FF, AE1215FF, NRSP11022FF, NSS1250FF, NRP1015EE, AE1275EE, NRP11029GG, NRSP11038GG, NRP11008FF, NRP11004FF, AE1250FF, NRP11020FF, AE1260FF, NRP11005FF, NRP11007GG, NRP11027FF, AE1240FF, NRP11138GG, AE1350GG, NRP11011GG, AE1290GG, NRP11052GG, AE1225GG, NRSP11019GG, NSS11021EE, NSS1255GG, NRP11010GG, AE1270GG, NRP11028GG, NRP11204FE, NSS1310FE, AE1220FE, NSS1260EE, NRP11091EE, AE1230EE, NRSP11021EE, NSS1265EE, NSS1260EE, AE1210FE, AE1215FF, AE1225GG, AE1235FE, AE1240FF, AE1250FF, AE1255FF, AE1260FF, AE1270GG, AE1275EE, AE1290GG, AE1295FF, AE1320GG, AE1340FF, AE1350GG, NSS1100FF, NSS1130FF, NSS1200FE, NSS1205EE, NSS1250FF, 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

MISCELLANEOUS INFORMATION:

(703)662-3871

SUPPLIER'S NAME:

Rayloc
Division of Genuine Parts Company
3100 Windy Hill Road
Atlanta, Georgia 30339

REVISION DATE:

Nov. 1, 2012

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Section 2 - HAZARDOUS INGREDIENTS

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CAS NO.	INGREDIENT	-----EXPOSURE LIMITS-----				
		% BY WT.	ACGIH TLV	OSHA PEL	UNITS	VP MM HG
	Glass Fiber		10.0mg/m3	10.0mg/m3		
	Silica, Silicates, Tripoli, Talc (non fibrous form)		0.1mg/m3	0.1mg/m3		
	Carbon products, Carbon Black, Graphite, others		2.0mg/m3	2.0mg/m3		
	Phenolic, Cashew and Elastomer Compounds		5.0mg/m3	5.0mg/m3		

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

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-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. Gastro-intestinal 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

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Section 4 - FIRST AID MEASURES

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-Emergency and First Aid Procedures

Should not be necessary from reasonable handling of this product.

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Section 5 - FIREFIGHTING MEASURES

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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

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-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.

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Section 7 - HANDLING AND STORAGE

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No Information Available

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Section 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

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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

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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

Melting Point: Not Available

Solubility in Water: N/A

Evaporation Rate: 0

(butyl acetate=1)

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

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Section 10 - STABILITY AND REACTIVITY

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Stability: Stable
Conditions to Avoid: Not Known

Incompatability (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

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Section 11 - TOXICOLOGICAL INFORMATION
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Information Not Available

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Section 12 - ECOLOGICAL INFORMATION
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Information Not Available

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Section 13 - DISPOSAL CONSIDERATIONS
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-Waste Disposal Method

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

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Section 14 - TRANSPORT INFORMATION
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Information Not Available

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Section 15 - REGULATORY INFORMATION
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No Information Available
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Section 16 - OTHER INFORMATION

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