

NRAY1000-28 RAYLOC ABEX LINING

MATERIAL SAFETY DATA SHEET

Effective Date: November 12, 1985

Code: Abex Lining

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Section 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Abex Lining

Identity (as used on Friction Material): NRP11006FE, NRP11028GC,
AE1210FE, NRSPI1022FE, NSS1250FF

MANUFACTURER'S NAME:

Abex Corporation
Friction Products Division
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
600 Rayloc Drive SW
Atlanta, Georgia 30378

REVISION DATE:

June 2, 1997

Section 2 - HAZARDOUS INGREDIENTS

CAS NO.	INGREDIENT	EXPOSURE LIMITS			
		ACGIH TLV	OSHA PEL	UNITS	VP MM HG
	Asbestos (Crysotile), Talc	2 fibers/cc	0.2 fibers/cc		
	Silica, Silicate, Tripoli	0.1mg/m3	0.1mg/m3		
	Carbon Black, Graphite, Coal, Coke	2.0mg/m3	2.0mg/m3		
	Phenolic, Cashew and Elastomer Compounds	19.0mg/m3	19.0mg/m3		
	Wood Flour and Other Fillers	1.0mg/m3	1.0mg/m3		
	Iron, Zinc, Aluminum, Brass, and their Oxides	10.0mg/m3	10.0mg/m3		
	Copper Oxide	1.0mg/m3	1.0mg/m3		

PLAINTIFF'S
EXHIBIT

LeCove 11

6-1-01 NCH

NAPA 016

NOVO12035

SCF-NAPA-2180

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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. Copper may produce metallic taste in mouth and nausea. Small amounts of ingested copper induces vomiting. Dusts in eye may cause irritation. Gastrointestinal disturbances possible from ingestion.

-Health Hazards (Acute and Chronic)

Some persons may be sensitive to cashew resins and develop dermatitis-type problems. Dust of 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. Copper may cause keratinization and discoloring of the skin. Chronic intoxication from copper is rare and only in persons with Wilson's Disease. Zinc and copper can produce metal fume fever, but is generally associated with exposures to freshly generated fume of those alloys (molten state). Asbestos is a known cancer producer of the lung.

-Carcinogenicity: Asbestos

NTP: Yes

IARC Monographs: Yes

OSHA Regulated: Yes

-Medical Conditions Generally Aggravated by Exposure

Copper exposure and Wilson's Disease

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Section 4 - FIRST AID MEASURES

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-Emergency and First Aid Procedures

Should not be necessary from the 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)

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Section 5 - FIREFIGHTING MEASURES (con't)

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Special Firefighting Procedures: Positive pressure self-contained breathing apparatus should be used. Personnel not having suitable respiratory protection should leave the area to prevent significant exposure to toxic combustion gases from any source.

Unusual Fire & Explosion Hazards: Not Known

Section 6 - ENVIRONMENTAL RELEASE MEASURES

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No Information Available

Section 7 - HANDLING AND STORAGE

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No Information Available

Section 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

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No Information Available

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

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No Information Available

Section 10 - STABILITY AND REACTIVITY

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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

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No Information Available

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Section 12 - ECOLOGICAL INFORMATION

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No Information Available

Section 13 - DISPOSAL CONSIDERATIONS

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No Information Available

Section 14 - TRANSPORT INFORMATION

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No Information Available

Section 15 - REGULATORY INFORMATION

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No Information Available

Section 16 - OTHER INFORMATION

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