

=====

MATERIAL SAFE DATA SHEET

Effective Date: 01/04/95 Code: Brake Shoe Lining Material

=====

=====

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

=====

IDENTIFY By Edge Codes:

AE1350GG, AE1220FE, AE1235FE, AE1290GG, AE1480GG, AE1270GG, 1260FF,
AE1225GG, NSS1255GG, AE1230EE, NSS1200FE, AE1475FE, AE1320GG,
NSS1205EE, AE1490EE, NSS1250FF, AE1275EE

MANUFACTURER'S NAME:

Cooper Industries
Abex Friction Products
2410 Papermill Road
P.O. Box 3250
Winchester, VA 22604

EMERGENCY TELEPHONE NUMBER:

(703) 662-3842
(703) 662-3871

MISCELLANEOUS INFORMATION:

SUPPLIER'S NAME:

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

REVISION DATE:

Nov. 1, 2012

=====

SECTION 2: HAZARDOUS INGREDIENTS

=====

INGREDIENTS	EXPOSURE LIMITS	
	ACGIH TLV	OSHA PEL

Glass fiber	10.0 mg/m3	10.0 mg/m3
Silica, Silicate, Tripoli, Talc (nonfibrous form)	0.1 mg/m3	0.1 mg/m3
Carbon products, Carbon Black Graphite, other	2.0 mg/m3	2.0 mg/m3

Phenolic, Cashew and Elastomeric Compound	5.0 mg/m ³	5.0 mg/m ³
Wood Flour and Other Fillers	1.0 mg/m ³	1.0 mg/m ³
Metals and their Oxides - Iron, Zinc, Aluminum, Brass, Magnesium	10.0 mg/m ³	10.0 mg/m ³
Organic and Inorganic (non-Asbestos) fibers	1 Fiber / cc Or 5.0 mg/m ³	1 Fiber /cc Or 5.0 mg/m ³

SECTION 3: HAZARDS IDENTIFICATION

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, silicosis, a progressive degenerative scarring of lung tissue 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.

SIGN AND SYMPTOMS OF EXPOSURE:

Cashew Resin - skin eruptions similar in appearance to poison ivy. Pneumoconiosis and silicosis- coughing, wheezing, shortness of breath, sputum production, impaired pulmonary function. Dusts in eye may cause irritation of the skin of some persons.

MEDICAL CONDITIONS:

Generally aggravated by exposure
Existing respiratory problems may be aggravated by exposure to any dust.

ROUTES OF ENTRY:

INHALATION: Yes SKIN: Yes INGESTION: Yes

CARCINOGENICITY:

NTP: No OSHA REGULATED: No IARC MONOGRAPHS: Yes*

***IARC has concluded, volume 42, 1987, that there is sufficient evidence for the carcinogenicity of crystalline silica to experimental animals and "limits evidence" with respect to human.

SECTION 4: FIRST AID MEASURES

EMERGENCY AND FIRST AID PROCEDURES

Eye Contact:

Flush eyes with large amounts of water for 15 minutes with eye lids open, get medical attention.

Skin Contact:

Wash affected area thoroughly with soap and water, launder contaminated clothing before reuse. If irritation persists, get medical attention.

Inhalation:

Remove from exposure to fresh air, restore breathing, get medical attention.

Ingestion:

Give large quantities of water and induce vomiting, get medical attention. Do not make an unconscious person vomit.

SECTION 5: FIREFIGHTING MEASURES

FLASH POINT: N/A

FLAMMABLE LIMITS: N/A

LEL: N/A

UEL: N/A

EXTINGUISHING MEDIA: Water, (Class A, B, or C)

UNUSUAL FIRE AND EXPLOSION HAZARDS: Powder will smolder and burn.

SPECIAL FIRE FIGHTING 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.

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. Wet sweep or vacuum, avoid generating airborne dust and avoid breathing dust. Measures as outline in Section 8 should be followed if

this occurs.

OTHER PRECAUTIONS:

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

WASTE DISPOSAL METHOD:

HAZARDOUS INGREDIENTS: 40 CFR, Part 261, 262 and applicable State and Local regulations.

=====

SECTION 7: HANDLING AND STORAGE

=====

=====

SECTION 8: EXPOSURE CONTROL / PERSONAL PROTECTION

=====

RESPIRATORY PROTECTION:

NIOSH approved for pneumoconiosis - fibrosis producing dusts and dusts with TLV not less than 0.05 mg/ M3

LOCAL EXHAUST:

For dust exposure exceeding TLV

MECHANICAL (GENERAL):

Not recommended for dust exposures

SPECIAL:

NK

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 exposure 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.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT:	N/A	Vapor Pressure:	N/A
VAPOR DESTINY:	N/A	SOLUBILITY IN WATER:	Insoluble
MELTING POINT:	N/A	Evaporation Rate:	0
SPECIFIC GRAVITY (H2O=1):	1-5-3.5		

APPEARANCE AND ODOR:

Solid, Brownish Grey Color, Friction Material Odor.

SECTION 10: STABILITY AND REACTIVITY

STABILITY: Stable

HAZARDOUS POLYMERIZATION: Will not occur

INCOMPATIBILITY (MATERIALS TO AVOID): NK

HAZARDOUS DECOMPOSITION OR BY PRODUCTS:

Incomplete combustion will create carbon monoxide and dioxide.

SECTION 11: TOXICOLOGICAL INFORMATION

SECTION 12: ECOLOGICAL INFORMATION

SECTION 13: DISPOSAL CONSIDERATIONS

SECTION 14: TRANSPORT INFORMATION

=====

SECTION 15: REGULATORY INFORMATION

=====

=====

SECTION 16: OTHER INFORMATION

=====

DISCLAIMER OF LIABILITY:

The information contained here in is based on data taken from sources believed to be both current and reliable at the time of publication. Rayloc, however, makes no warranties expressed or implied, as to it's accuracy and assumes no liability arising from its use by others. Compliance with all applicable federal, state, and local laws and regulations remains the responsibility of the users.

N/A - Not Available

NK - Not Known