

=====

MATERIAL SAFETY DATA SHEET

Effective Date: October 1, 1996

Code: AE47-FF

Page: 1

=====

Section 1 - PRODUCT AND COMPANY IDENTIFICATION

=====

PRODUCT NAME: AE47-FF

MANUFACTURER'S NAME:

Brake Parts, Inc.

4400 Prime Parkway

McHenry, Illinois 60050

EMERGENCY TELEPHONE NO.

(815)363-3400

MISCELLANEOUS INFORMATION:

(815)363-3400

SUPPLIER'S NAME:

Rayloc

Division of Genuine Parts Company

3100 Windy Hill Road

Atlanta, Georgia 30339

REVISION DATE:

Nov 1, 2012

=====

Section 2 - HAZARDOUS INGREDIENTS

=====

CAS NO.	INGREDIENT	-----EXPOSURE LIMITS-----				
		% BY WT.	ACGIH TLV	OSHA PEL	UNITS	VP MM HG
	Carbons & Graphites		2mg/m3	2mg/m3		
	Phenolic, Cashew & Elastomer Components		5mg/m3	5mg/m3		
	Fillers-Sulfates, Silicates, Carbonates, etc.		0.1mg/m3	0.1mg/m3		
	Metals, their Alloys & Compounds (Fe,Mg,Al,Cr,Cu,Zn,etc)		0.5mg/m3	0.5mg/m3		
	Aramid Fibers		2 Fib/cc	2 Fib/cc		
	Aramid Fibers as Total Dust		5mg/m3	5mg/m3		

THIS MATERIAL CONTAINS NO ASBESTOS

=====

MATERIAL SAFETY DATA SHEET

Effective Date: October 1, 1996

Code: AE47-FF

Page:2

=====

Section 3 - HAZARDS IDENTIFICATION

=====

-Health Hazards (Acute and Chronic)

Brake dust may cause eye, skin, or upper respiratory tract irritation.

Long term exposure to airborne brake dust may cause pneumoconiosis

silicosis, a progress degenerative scarring of lung tissue and other lung

damage.

-Routes of Entry

Inhalation: Yes

Skin: Yes

Ingestion: Yes

-Carcinogenicity

NTP: Not Known

IARC Monographs: Not Available

OSHA Regulated: Yes

-Signs and Symptoms of Exposure

Dust may cause eye, skin, or respiratory tract irritation. Also, pneumoconiosis and silicosis - coughing, wheezing, shortness of breath, sputum production and impaired pulmonary function.

-Medical Conditions

Existing respiratory problems may be aggravated by exposure to dusts.

=====  
Section 4 - FIRST AID MEASURES  
=====

Avoid generating dust. If inhaled, remove to fresh air, drink water to clear throat and blow nose.

Eye Contact: Flush with water

Ingestion: Drink large amounts of water and induce vomiting

=====  
Section 5 - FIREFIGHTING MEASURES  
=====

Flash Point (Method Used): Not Available Flammable Limits: Not Available

Extinguishing Media: Water (Class A, B, C)

-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 gases from any source.

-Unusual Fire and Explosion Hazards

Fine dry dust, exceeding minimum explosive concentration, can explode in the presence of ignition source.

=====  
MATERIAL SAFETY DATA SHEET

Effective Date: October 1, 1996

Code: AE47-FF

Page:3  
=====

=====  
Section 6 - ENVIRONMENTAL RELEASE MEASURES  
=====

-Steps to be taken in case material is released or spilled

Machining or milling operations will create dust. Wet sweep or vacuum

dust. Avoid breathing airborne dust. Do not use compressed air to blow dust.

=====  
Section 7 - HANDLING AND STORAGE  
=====

Information Not Available

=====  
Section 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION  
=====

- Respiratory Protection: Wear NIOSH approved mechanical filter respirator if airborne dust exceeds OSHA PEL.
- Ventilation: Local Exhaust - Recommended for dust exposures exceeding TLV limit
  - Mechanical (General) - Not recommended for dust control
  - Special - Not Known
  - Other - Not Known
- Protective Gloves: Recommended

=====  
Section 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION (cont.)  
=====

- Eye Protection: Not needed for normal handling of product. Eye protection is a good working practice where dust is produced from any machining operation.
- Other Protective Clothing or Equipment: Long sleeve garments may be beneficial to prevent skin contact.
- Work/Hygienic Practices: Employee must be instructed as to proper personal hygiene. Vacuuming and/or wet sweeping is recommended. Use of compressed air to blow dust should be forbidden.

=====  
Section 9 - PHYSICAL AND CHEMICAL PROPERTIES  
=====

Boiling Point: Not Available                      Vapor Pressure (mm Hg): Not Available  
Vapor Density (Air-1): Not Available            Solubility in Water: Not Available  
Specific Gravity: 3.6-4.1                          Melting Point: Not Available  
Evaporation Rate (Butyl Acetate-1): 0  
Appearance and Odor: Dark gray solid with slight phenolic odor.

=====  
MATERIAL SAFETY DATA SHEET  
=====

Effective Date: October 1, 1996                      Code:AE47-FF                      Page:4  
=====

=====  
Section 10 - STABILITY AND REACTIVITY  
=====

Stability: Stable

Hazardous Polymerization: Will not occur

-Incompatibility (materials to avoid): Avoid strong oxidizers due to organic content.

-Conditions to Avoid: Not Known

-Hazardous Decomposition or By Products: Incomplete combustion may release toxic materials.

=====  
Section 11 - TOXICOLOGICAL INFORMATION  
=====

Information Not Available

=====  
Section 12 - ECOLOGICAL INFORMATION  
=====

Information Not Available

=====  
Section 13 - DISPOSAL CONSIDERATIONS  
=====

-Waste Disposal Method:

Hazardous ingredients per 400 CFR. Part 261, and applicable, state and local regulations.

=====  
Section 14 - TRANSPORT INFORMATION  
=====

Information Not Available

=====  
Section 15 - REGULATORY INFORMATION  
=====

(Not to be all inclusive - selected regulations represented)

Information Not Available

=====  
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.