MATERIAL SAFETY DATA SHEET Effective Date: FEBRUARY 5, 1988

Code: Brake Lining Material

Section 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: ASBESTOS FREE METALLIC DISC BRAKE LINING MATERIAL
ASBESTOS FREE ORGAINIC DISC BRAKE LINING MATERIAL

IDENTIFY BY EDGE CODES: AE-8940-FF, SS-8844-FF, BR-8700-FF, TS-8400-FF, SS-8822-FF,TS-8200-FF, TS-8100-FF, BR-8600-FF, SS-8800-FF, SS-8001-FF

MANUFACTURER'S NAME:
Universal Automotive of Virginia, Inc.
A Division of Universal Automotive Ind., Inc.
11859 S. Central Avenue
Alsip, IL 60803

EMERGENCY TELEPHONE No.:
800-301-2725

MISCELLANEOUS INFORMATION:
Contact: Hugo Castrillon

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

Hazardous Components
(Specific Chemical Identity:

Common Names(s)	OSHA	PEL	ACGIH	TLV
Fibers Synthetic, Natural	15.0	mg/m3	10.0	mg/m3
Mica (Less than 1% Crystalline Silica)	20	HPPCF	2.0	mg/m3
Carbon black, graphite, coke	2.0	mg/m3	2.0	mg/m3
Iron, zinc, aluminum, brass and Other oxides	10.0	mg/m3	10.0	mg/m3
Phenolic and cashew resins	5.0	mg/m3	5.0	mg/m3

Section 3 - HAZARDS IDENTIFICATION

Route(s) of Entry: Inhalation - Yes Skin - Yes Ingestion - No

Health Hazards (Acute & Chronic): Some persons with sensitive skin may be sensitive to phenolic and cashew resins. Dusts from fibres, silicates, carbon black, graphite and coke 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	IARC Monographs	OSHA Regulated
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Signs & Symptoms of Exposure: Cashew resins - skin eruptions similar in appearance to poison ivy. Pneumoconiosis - coughing, wheezing, shortness of breath, impaired pulmonary function. Dusts in eyes may cause irritation. Gastrointestinal disturbances possible from ingestion.

Medical Conditions Generally Aggravated by Exposure: None known.

Section 4 - FIRST AID MEASURES

Should not be necessary from reasonable handling procedures.

Section 5 - FIREFIGHTING MEASURES

Flash Point - N/A Flammable Limits - N/A LEL UEL

Extinguishing Media - Water, Extinguisher (Class A, B, and C)

Special Fire Fight Procedures - None known

Unusual Fire and Explosion Hazards - None known

Section 6 - ENVIRONMENTAL RELEASE MEASURES

Steps to be taken in case materail is released or spilled: Avoid creating dust. Grinding, drilling, machining and sweeping can result in the release of airborne dust. Use approved vacuum methods of dust control.

Section 7 - HANDLING AND STORAGE

Waste Disposal Method: Hazardous ingredients: 40 CFR, Parts 26 and 262. Follow all municipal, local, provincial, state and ferderal waste disposal regulations.

Other Precautions: Protective creams and long sleeve shirts may be necessary for any employees with sensitive skin. Pre-employment screening for allergies and histories of skin problems maybe beneficial.

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Section 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

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Respiratory Protection (Specific Type): NIOSH approved for pneumoconiosis - gibrosis, producing dusts with TLV not less than 0.05 mg/m3.

Ventilation: Local Exhaust - For dust exposures exceeding TLV.

Mechanical (General) - Not recommended for dust exposures.

Special - None known

Other - Protective Creams for persons with sensitive skin.

Protective Gloves: Recommended but not necessary.

Eye Protection: Should not be needed for normal handling of product(s). Eye protection is a good general practice where dust is generated by grinding or drilling machines and OSHA/WHIMIS approved safety glasses are recommended.

Other Protective Clothing or Equipment: Long sleeved shirts or other protective clothing may assist in preventing contact for persons with skin sensitive to cashew resins.

Work/Hygienic Practices: Employees should be properly instructed in the use control measures as outlined above when required. If dust from this product(s) is produced a vacuum should be used in place of dry sweeping. Wet cleaning is recommended for other surfaces. Proper and adequate personal hygiene should be practiced by all exposed workers.

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Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

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Boiling Point:	N/A	Specific Gravity (H2O=1)	2.17 - 3.2
Vapour Pressure:	N/A	Melting Point	N/A
Vapour Density:	N/A	Evaporation RAte	0
Solubility in Water:	None	Appearance/Odour - Solid - black, gray, brown, tan or green. Slight resin/rubber	

odour.

Section 10 - STABILITY AND REACTIVITY

Stability: stable	Conditions to Avoid: None known
Hazardous Decomposition or Byproducts:	Incomplete combustion will create carbon monoxide and dioxide.
Incompatibility (material to avoid):	None known
Hazardous Polymerization: Will not occur	Conditions to Avoid: None known

Section 11 - TOXICOLOGICAL INFORMATION

Not applicable.

Section 12 - ECOLOGICAL INFORMATION

Not applicable

Section 13 - DISPOSAL CONSIDERATIONS

Waste Disposal Method: Hazardous ingredients: 40 CFR, Parts 26 and 262. Follow all municipal, local, provincial, state and ferderal waste disposal regulations.

Section 14 - TRANSPORT INFORMATION

Not applicable.

Section 15 - REGULATORY INFORMATION

Not applicable

Section 16 - OTHER INFORMATION

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Further information and relevant advice can be found in the Health and Safety at Work Act 1974 and The Control of Substances Hazardous to Health Regulations 1988.

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