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MATERIAL SAFETY DATA SHEET

Effective Date: June 8, 2001 Code: SS-8544-FF, TS-8555-FF

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Section 1 - PRODUCT AND COMPANY IDENTIFICATION

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PRODUCT NAME: Brake Lining Segments

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.

(804) 769-1054

Fax Number:

(804) 769-0403

SUPPLIER'S NAME:

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

REVISION DATE:

Nov. 1, 2012

This Material Safety Data Sheet may be used to comply with OSHA's Hazard Communication Standard 29 CFR 1910, 1200.

Standard must be consulted for specific requirements:

The product(s) identified on this document is a resin bonded product(s), and meets the OSHA definition of an article and is exempt from the Hazard Communication Standard, when used as intended. Some potential may exist to exposure to dust when grinding, drilling, milling, etc. occurs and all information contained herein should be adhered to.

The ingredients listed in this data sheet are contained in the product(s) identified. Exact formulations are considered proprietary and confidential and as such precise product information will not be disclosed, other than to a health professional in accordance with the regulations, without an approved Secrecy Agreement.

The information provided is believed to be accurate; however Universal Automotive of Virginia, Inc., a Division of Universal Automotive Ind., Inc. makes no warranty as to its accuracy. Further, this data is provided free of charge and is not part of any contract or sale.

Universal Automotive of Va., Inc., a Division of Universal Automotive Ind., Inc. or universal Brake Parts, Inc. shall in no event be responsible for any damages of whatever nature directly or indirectly resulting from the

publication or use of, or reliance upon the data provided herein. No express of implied warranty of any kind, including warranties or salability or illness for use with respect to the product(s) or to the data herein is made hereunder.

Section 2 - HAZARDOUS INGREDIENTS

CAS NO.	INGREDIENT
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FIBER:	
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PMF 204	6% - 8%
Nyad G	7% - 9%
Cellulose Fibers	1% - 3%
Emcor 66	6% - 8%
Steel Fiber	7% - 9%

RESIN:	
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HJR-4367 Resin	19% - 21%
6280-Dry Resin	1% - 3%

PARTIAL FILLER:	
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Friction Particle	2% - 5%
Graphite Flake	2% - 5%
Barytes	7% - 9%
Carbon Black	Less than 1%
Marble White 325	7% - 9%
Alumina Oxide	Less than 1%
Hexa 1% Anticake	1% - 2%
Sea Coal 33	6% - 8%
Sulfur RM99	Less than 1%

Percentage references are for raw material by weight. As manufactured, above ingredients have become part of a bound system. Through resin and/or other binder additions (as well as pressing, curing, processing the product into the configuration required for the particular application). Additionally, the combination of chemicals creates a chemically bound situation as well, so that the end product no longer exhibits the properties of the individual components.

Section 3 - HAZARDS IDENTIFICATION

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PRIMARY ROUTE OF EXPOSURE: Inhalation

THRESHOLD LIMIT OF VALUE: See individual raw material guidelines in Section II. Overall inert or nuisance mineral dusts should be maintained below 15 mg/M3 in total.

EFFECTS OF OVEREXPOSURE:

Short term effects: Temporary irritation or rash may occur on skin of some individuals in prolonged contact. Dust of any sort blocks the airways, reduces visibility, and may cause unpleasant deposits in ears, eyes, and nasal passages, and extremely dusty conditions may cause coughing and sneezing. No other short term effects known.

LONG TERM EFFECTS: Lung damage can result if subjected to extended duration of high dust exposure without use of respiratory protection. SMOKING GREATLY INCREASES THE RISK OF BODILY HARM.

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Section 4 - FIRST AID MEASURES

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INHALATION: Avoid breathing dust and fiber. If inhaled, remove to fresh air. Drink water to clean throat and blow nose. If dust is generated above TLV, respirators must be worn.

SKIN CONTACT: Good hygiene is recommended by washing hands and face with soap and water prior to eating or smoking. If skin is sensitive, a soothing ointment may be applied to irritated skin after cleaning.

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Section 5 - FIREFIGHTING MEASURES

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Not Applicable

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Section 6 - ENVIRONMENTAL RELEASE MEASURES

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Not Applicable

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Section 7 - HANDLING AND STORAGE

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SPILL OR LEAK PROCEDURES:

As manufactured, all products are bound. Vibration in shipping may create small quantities of dust or fiber which should not be inhaled. Machining,

grinding, or riveting will also create dust particles which should be vacuumed or wet prior to removal. Use respirator if airborne dust is present.

Section 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

RESPIRATORY PROTECTION:

Respirator to comply with OSHA Standard 1910.134.

LOCAL EXHAUST:

Use adequate exhaust ventilation when grinding or machining to draw dust away from workers to prevent routine inhalation. DO NOT BLOW DUST WITH COMPRESSED AIR.

EYE PROTECTION:

Dust may cause temporary irritation or inflammation. Goggles recommended if machining. Flush eyes with generous amounts of water if irritated.

PROTECTED GLOVES:

If irritation of skin occurs or product is abrasive, gloves may be worn.

OTHER:

Practice good hygiene; wash thoroughly after handling. Clean storage areas of dust by vacuuming. Use every precaution to keep airborne dust to a minimum.

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

Insoluble

Section 10 - STABILITY AND REACTIVITY

REACTIVITY DATA: Stable material with no known incompatibilities or inherent hazardous decomposition products, except named in section II.

Section 11 - TOXICOLOGICAL INFORMATION

Not Applicable

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Section 12 - ECOLOGICAL INFORMATION
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Not Applicable

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Section 13 - DISPOSAL CONSIDERATIONS
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Scrap pieces should be disposed of in such a way as to prevent airborne dust and fiber. Place dust from grinding and use in airtight containers, marked and placed in a landfill which handles this material in compliance with all federal, state, and local regulations.

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Section 14 - TRANSPORT INFORMATION
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Not Applicable

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Section 15 - REGULATORY INFORMATION
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Not Applicable

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Section 16 - OTHER INFORMATION
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