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MATERIAL SAFETY DATA SHEET

Effective Date: April 19, 1991 Code: Brake Lining Material Page:1

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Section 1 - PRODUCT AND COMPANY IDENTIFICATION

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PRODUCT NAME: Brake Lining Material

Identity Friction Material: ZAF-01-EE, SS3205EE, TS3215EE, NRSP11040EE

MANUFACTURER'S NAME:

BrakePro, Inc.
101 Friction Drive
Cartersville, Georgia 30120

EMERGENCY TELEPHONE NO.

(770)387-0100

MISCELLANEOUS INFORMATION:

(770)387-0100

SUPPLIER'S NAME:

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

REVISION DATE:

Nov. 1, 2012

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Section 2 - HAZARDOUS INGREDIENTS

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CAS NO.	INGREDIENT	-----EXPOSURE LIMITS-----				
		% BY WT.	ACGIH TLV	OSHA PEL	UNITS	VP MM HG
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Binder System Component (cured) may contain:						
	Cashew Plant Derivatives	*	None	None	(skin irritant)	
	Hexamethylenetetramine (or other hardener)	*	None	None		
	Phenol	*	5 ppm	5 ppm	(skin notation)	
Reinforcement and Filler Component						
	Amorphous Silicates	*	10mg/m3	(80mg/m3)/%SiO2		
	Aramid Fibers		10mg/m3(A)	15mg/m3(A)	(total dust)(B)	
	Carbon Black	*	3.5mg/m3	3.5mg/m3	(total dust)	
	Coal (less than 5% SiO2)	*	2 mg/m3	2.4mg/m3(%SiO2 plus 2)	(total dust)	
	Coke	*	10mg/m3(A)	15mg/m3(A)	(total dust) (B)	
	Graphite	*	2 mg/m3	15 mg/m3	(resp. dust)	
	Metals and their Oxides	*	5-10 mg/m3	5-15 mg/m3	(total	

(Iron, Zinc, Aluminum, Magnesium, Calcium) dust)(B)
Nonasbestiform Talc * 2mg/m3 2mg/m3 (resp. dust)

* The exact percentage of ingredients in this product is proprietary information. Only components which may be health hazards as defined in 29 CFR 1910.1200 are listed above. Information necessary for emergency health or health hazard investigations will be released to medical or health and safety personnel under signed confidentiality agreements.

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Section 2 - HAZARDOUS INGREDIENTS (cont.)

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(A) As particulates not otherwise regulated.

(B) Respirable dust exposure limits for these components are 5mg/m3.

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Section 3 - HAZARDS IDENTIFICATION

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-Signs and Symptoms of Exposure
None during normal industrial use.

-Routes of Entry
Inhalation: Yes Skin: Yes Ingestion: Unlikely
**Note: Dry grinding of the cured or partially cured material may produce an inhalation hazard as a nuisance dust.

-Health Hazards (Acute and Chronic)
Skin contact with partially cured product may cause an allergic skin reaction similar to poison ivy in sensitive individuals. Prolonged or repeated skin contact may cause irritation.

-Carcinogenicity
NTP: No IARC Monographs: No OSHA Regulated: No

-Medical Conditions generally aggravated by exposure
None during normal industrial use. Persons with pre-existing skin disorders may be more susceptible to irritation from skin contact.

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Section 4 - FIRST AID MEASURES

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-Emergency and First Aid Procedures
Eye Contact: Immediately flush eyes with water for 15 minutes. If

irritation persists, consult a physician.

Skin Contact: In case of irritation, wash with soap and water. Treat as for poison ivy.

Inhalation: Remove to fresh air.

Ingestion: No known hazard during normal industrial use. First aid not applicable.

Section 5 - FIREFIGHTING MEASURES

Flash Point: N/A

LEL: N/A

UEL: N/A

Flammability: N/A

Extinguishing Media: ABC Dry Chemical as appropriate for surrounding fire.

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Section 5 - FIREFIGHTING MEASURES (con't)

Special Firefighting Precautions: Suggested respiratory protection:
Positive pressure, self-contained
breathing apparatus approved by
NIOSH/MSHA

Unusual Fire & Explosion Hazards: This material may produce irritating
smoke in smoldering fire

Section 6 - ENVIRONMENTAL RELEASE MEASURES

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

Material is a solid. Sweep (scoop) up and remove to a chemical disposal area. Prevent entry into natural bodies of water. Cure at 300 degrees F for a minimum of 15 minutes, if landfill disposal is approved.

Section 7 - HANDLING AND STORAGE

-Precautions to be Taken in Handling and Storage

Segregate stored material from oils and strong oxidizing agents. Keep away from electrical discharges, welding, open flames, extreme heat, and other sources of potential ignition. During transportation, do not expose to extremely hot temperatures.

-Other Precautions

No special DOT classification

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Section 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION
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Respiratory Protection: None required during normal industrial use.

Respiratory protection suitable for the measured nuisance dust level encountered is recommended during dry grinding. Minimally, a NIOSH approved dust mask should be worn during dry grinding of cured materials.

Ventilation: Local Exhaust - None during normal industrial use.

Recommended during dry grinding.

Mechanical (general) - None during normal industrial use.

May be required during dry grinding.

Special - None during normal industrial use.

Other - None during normal industrial use.

Protective Gloves: Wear impervious gloves to prevent repeated or prolonged skin contact.

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Section 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION (con't)
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Eye Protection: None during normal industrial use. Goggles are recommended if dry grinding produces flying particles.

Other Protective Clothing or Equipment: As necessary to prevent prolonged skin contact.

Work/Hygienic Practices: Standard hygienic practices during normal industrial use. Wash skin with soap and water.

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Section 9 - PHYSICAL AND CHEMICAL PROPERTIES
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Boiling Point/Melting Point: N/A

Specific Gravity (H2O=1): 1.5-2.5

Dispose according to applicable federal, state and local regulations.

Material may be considered inert after curing for 15 minutes at 300 degrees F.

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Section 14 - TRANSPORT INFORMATION
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Information Not Available

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Section 15 - REGULATORY INFORMATION
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-California (Proposition 65) Information

This product, as sold, is not believed to contain any chemical known to the state of California to cause cancer, birth defects, or other reproductive "harm".

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Section 16 - OTHER INFORMATION
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-SARA Title III Information

This product may contain phenol and, therefore, may be subject to the reporting requirements of Section 313, Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372 or used in sufficient quantities.

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