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MATERIAL SAFE DATA SHEET

EFFECTIVE DATE: June 12, 1997 CODE: TS Disc Brake

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SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

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PRODUCT NAME: TS Disc Brake - Universal Brake NAO & Semi-Metallic

PRODUCT IDENTIFICATION: NAF-20-FF, NAFO-101-FF

MANUFACTURER'S NAME:
North American Friction
A Division of Universal Brake Parts Inc.
340 Wildcat Road
Downsview - Ontario
Canada M3J 2N5

Emergency Telephone Number:
(416) 736-7200

Miscellaneous Information:

SUPPLIER'S NAME:
Rayloc
Division of Genuine Parts Company
3100 Windy Hill Road
Atlanta, GA 30339

REVISION DATE:
Nov. 1, 2012

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SECTION 2: HAZARDOUS INGREDIENTS

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INGREDIENTS	EXPOSURE LIMITS	
	ACGIH TLV	OSHA PEL
Fibers Synthetic Natural	10.0 mg/m3	15.0 mg/m3
Mica (less than 1% Crystalline Silica)	2.0 mg/m3	20 HPPCF
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

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SECTION 3: HAZARDS IDENTIFICATION

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HEALTH HAZARDS (ACUTE AND CHRONIC):
Some person with sensitive skin maybe 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 dust.

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SECTION 3: HAZARDS IDENTIFICATION (con't)

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SIGN AND 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:
None known

ROUTES OF ENTRY:
INHALATION: Yes SKIN: Yes INGESTION: No

CARCINOGENICITY:
NTP: OSHA REGULATED: No IARC MONOGRAPHS:

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SECTION 4: FIRST AID MEASURES

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EMERGENCY AND FIRST AID PROCEDURES:
Should not be necessary from reasonable handling procedures.

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SECTION 5: FIREFIGHTING MEASURES

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FLASH POINT: Not Available FLAMMABLE LIMITS: Not Available
LEL: Not Available UEL: Not Available

EXTINGUISHING MEDIA:
Water, extinguisher (Class A, B, and C)

UNUSUAL FIRE AND EXPLOSION HAZARDS:
None known

SPECIAL FIREFIGHTING EXPLOSION HAZARDS:
None Known

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SECTION 6: ENVIRONMENTAL RELEASE MEASURES

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STEPS TO BE TAKEN IN CASE MATERIAL 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.

OTHER PRECAUTIONS:
Protective creams and long sleeves shirts maybe necessary for any employees with sensitive skin. Pre-employment screening for allergies and histories of skin problems maybe beneficial.

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SECTION 7: HANDLING AND STORAGE

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SECTION 8: EXPOSURE CONTROL / PERSONAL PROTECTION

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RESPIRATORY PROTECTION:
NIOSH approved for pneumoconiosis - gibrosis, producing dusts with TLV not less than 0.05 mg/m3

LOCAL EXHAUST:
For dust exposures exceeding TLV

MECHANICAL (GENERAL):
Not recommended or dust exposures.

SPECIAL:
None known.

OTHER:
Protective creams for person 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 resin.

WORK / HYGIENIC PRACTICES:
Employees should be properly instructed in the use of control measures as outlined above when required. If dust from this product(s) is produced a

vacuum should be 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: Not Available VAPOR PRESSURE: Not Available
VAPOR DESTINY: Not Available SOLUBILITY IN WATER: None
MELTING POINT: Not Available Evaporation Rate: 0
SPECIFIC GRAVITY: 2.17-3.2

APPEARANCE AND ODOR:

Solid- black, gray, brown, tan, or green. Slight resin/rubber odor.

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SECTION 10: STABILITY AND REACTIVITY

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STABILITY:

Stable

HAZARDOUS POLYMERIZATION:

Will not occur

INCOMPATIBILITY (MATERIALS TO AVOID):

None known

HAZARDOUS DECOMPOSITION OR BY PRODUCTS:

Incomplete combustion will create carbon monoxide and dioxide.

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SECTION 11: TOXICOLOGICAL INFORMATION

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SECTION 12: ECOLOGICAL INFORMATION

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SECTION 13: DISPOSAL CONSIDERATIONS

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WASTE DISPOSAL METHOD:

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

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SECTION 14: TRANSPORT INFORMATION

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SECTION 15: REGULATORY INFORMATION

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SECTION 16: OTHER INFORMATION

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