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MATERIAL SAFETY DATA SHEET

Effective Date: October 21, 1998

Codes: AE-9004-EE, AE-9007-FF and AE-9009-FF

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Section 1 - PRODUCT AND COMPANY IDENTIFICATION

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PRODUCT NAME: Non-Asbestos Semi-Metallic Disc Pad

MANUFACTURER'S NAME:
TMD Friction Ltd
P.O. Box 18, Hunsworth Lane
Cleckheaton, West Yorkshire
England BD19 3UJ

EMERGENCY TELEPHONE No. :
01274 854000

MISCELLANEOUS INFORMATION:
fax: 0127 854063

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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This non-asbestos friction material is a multi-ingredient system with a phenolic resin binder in the fully cured condition.

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Section 3 - HAZARDS IDENTIFICATION

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Handling of product may cause skin irritation

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Section 4 - FIRST AID MEASURES

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INHALATION: If symptoms develop, remove to fresh air. If irritation persists, call a physician.

SKIN CONTACT: Remove contaminated clothing and launder before reuse. Wash affected area with plenty of soap and water.

EYE CONTACT: Do not rub eyes. Flush with plenty of water for at least five minutes (hold eyelids open). Longer if there is indication of

residual material in eye.
INGESTION: Not a potential route of exposure

Section 5 - FIREFIGHTING MEASURES

EXTINGUISHING MEDIA: Water, Carbon Dioxide, Dry Powder and Foam

SPECIAL FIREFIGHTING PROCEDURES: Firefighters should wear self contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Hazardous polymerization will not occur. When heated to temperatures > 300°C, smoke and toxic fumes may be given off. See section 10.4.

Section 6 - ENVIRONMENTAL RELEASE MEASURES

Remove any dust generation by vacuum or damp cloth

Section 7 - HANDLING AND STORAGE

Avoid generating and breathing dust. Remove any dust by suitable industrial vacuum cleaner or central exhausting.

For storage, keep product cool, dry and free of dust. Composites should be packed to avoid abrasion during movement. Shelf life is indefinite under normal conditions.

Section 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

OCCUPATIONAL CONTROLS

Occupational exposure standard for standard dust limit is 10 mg. m(-3) - 8 hour TWA.

ENGINEERING CONTROLS

Local exhaust ventilation for machining areas. Maintain dust levels below established exposure standard.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

EYE PROTECTION

Use approved eye protection when machining.

SKIN PROTECTION

Wear overalls of close weave material.

RESPIRATORY PROTECTION

Use suitable respirator production if dust exposure limits are exceeded.

HAND PROTECTION

Wear rubber gloves

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: N/A
Melting Point: N/A
Flash Point: N/A
Autoignition Temperature: >300°C
Explosive Properties: N/A
Relative Density: 2.60 g/cm (cubed)
Vapor pressure: N/A
Evaporation Rate: N/A
Solubility in Water: N/A
pH: N/A
Odor/Appearance: Grey/Black Solid

Section 10 - STABILITY AND REACTIVITY

STABILITY: Stable

CONDITIONS TO AVOID: Local overheating

MATERIALS TO AVOID: Do not store with corrosive substances.

HAZARDOUS DECOMPOSITION PRODUCTS: > 300°C CO, CO₂, Phenolic derviatives and Formaldehyde

Section 11 - TOXICOLOGICAL INFORMATION

SHORT TERM EFFECTS:

EYE CONTACT: May cause irritation

SKIN CONTACT: May cause temporary irritation

INGESTION: Not established

INHALATION: May cause irritation to upper respiratory tract

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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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Seal all dust and waste product in impervious bags and dispose in approved licenced land fill site.

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Section 14 - TRANSPORT INFORMATION
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Pack to prevent abrasion and liberation of dust. Not classified as dangerous goods

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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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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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