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MATERIAL SAFETY DATA SHEET

Effective Date: March 29, 1993 Code: Organic Disc Pad Non-Asbestos Page:1
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Section 1 - PRODUCT AND COMPANY IDENTIFICATION
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PRODUCT NAME: Organic Disc Pad Non-Asbestos
Chemical Name: Cured Disc Pad, Organic
C.A.S.: #1

Identity Edge Code: NRP12138FF, NRSP12139FF, NSS2130FF, NRSS12100FF,
TS2135FF, NRP12126FF, TS2145FF, NSS2150FF, NRSP12129FF, NRSS12114FF,
TS2155FF, NRSP12032FF, NSS2140FF, NRSS12033FF

MANUFACTURER'S NAME:
Allied Signal Corporation
900 W. Maple
Troy, Michigan 48084

EMERGENCY TELEPHONE NO.
Dr. Lowell Paul
(313)626-9040

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

MISCELLANEOUS INFORMATION:
(313)362-7196

Mixture of Proprietary
Ingredients: See
Section 2

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
1317-65-3	Calcium Carbonate	5-20		5mg/m3		
7727-43-7	Barium Sulfate	5-15		5mg/m3		
1344-28-1	Aluminum Oxide	1-5		5mg/m3		
1309-48-4	Magnesium Oxide	1-5		5mg/m3		
1333-86-4	Carbon Black	2-15		3.5mg/m3		
7782-42-5	Graphite	2-5		2.5mg/m3		
1309-37-1	Iron Oxide	2-5		10mg/m3		
14808-60-7	Silica/Quartz	2-5		*		
Non-Hazardous Fillers & Resins		Balance				

*Based on formula: 10mg/m3 divided by &-silica plus 2
(See OSHA table Z-1000)

*****WARNING*****
AVOID CREATING OR BREATHING DUST. CONTAINS HAZARDOUS SUBSTANCES WHICH
MAY CAUSE LUNG INJURY. GENERAL REQUIREMENT: TOTAL DUST SHALL NOT EXCEED
10MG/M3

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Section 3 - HAZARDS IDENTIFICATION
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-Effects of Overexposure

Note: Avoid creating dust. The parts are not inherently hazardous.
All the listed effects relate to dust residues on the parts or
to dust generated in installation.

Eyes: May cause transient irritation with no corneal injury likely
if immediately removed by washing. Repeated or prolonged exposure
to resin fumes or dust may cause eye irritation.

Skin: May cause minor irritation upon single contact and is not
appreciably absorbed. Repeated contact may cause sensitization
and skin rash.

Inhalation: Avoid inhalation. TLV for inert or nuisance particulate
is 10mg/m3 or 30 mpp/cf, whichever is lower per ACHIH
TLV or airborne contaminants.

Ingestion: Do not ingest. Irritant to gastrointestinal tract.

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Section 4 - FIRST AID MEASURES
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None - Extreme Fire - 3

-Emergency and First Aid Procedures

Should not be necessary from a proper handling of these friction
material products.

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Section 5 - FIREFIGHTING MEASURES
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Flash Point: N/A

Extinguishing Media: N/A

Special Firefighting Precautions: None

Unusual Fire and Explosion Hazards: None

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Section 6 - ENVIRONMENTAL RELEASE MEASURES
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-Steps to be taken in case material is released or spilled

(Solid parts - no special procedures required.)

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Section 7 - HANDLING AND STORAGE
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No special precautions are required when installing or removing asbestos free friction materials. However, as the mechanic may not know if the worn out lining he is replacing contains asbestos fibers, we suggest the worker follow the RECOMMENDED PROCEDURES published by the "Friction Materials Institute" that are reproduced on Page 5.

Storage: No special precautions.

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Section 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION
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-Protective Equipment

Eyes: Use proper protection - safety glasses, as a minimum.

Skin: Washing on leaving work area and at end of shift.

Inhalation: Respiratory protection is needed if dust is generated.

Ventilation: Local exhaust not required.

Mechanical (general): Recommended.

Suitable Respirator: Recommended for anyone sensitive to the dust.

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Section 9 - PHYSICAL AND CHEMICAL PROPERTIES
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Material state @ normal conditions: Solid

Boiling Point: N/A Melting Point: N/A
Solubility in Water: None Volatiles: None

Appearance and odor: Gray or dark solid part - mild odor
Specific Gravity(H2O - 1): 1.7 - 2.5 GM/CC

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Section 10 - STABILITY AND REACTIVITY
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Stability: Stable
Hazardous Polymerization: Will not occur.

Conditions to Avoid: None

Hazardous Decomposition Products: None

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Section 11 - TOXICOLOGICAL INFORMATION
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Information Not Available

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Section 12 - ECOLOGICAL INFORMATION
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Information Not Available

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Section 13 - DISPOSAL CONSIDERATIONS
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-Waste Disposal Method:

Dispose by landfill according to federal, state and local regulations

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Section 14 - TRANSPORT INFORMATION
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D.O.T Hazard Name (49CFR 172.101): None
D.O.T ID No. (49CFR 172.101): None
D.O.T Hazard Class (49CFR 172.101): None

RCRA Hazard Class (40CFR 261): (If Discarded): None
E.P.A Priority Pollutants (40CFR 122.53): None
NFPA = National Fire Protection Association - 704
Health: 1 Flammability: 1 Reactivity: 0
D.O.T (49CFR 171.8)/E.P.A (40CFR 117) Spill Reporting Information:
Hazardous Substance: None Reportable Quantity: N/A
Concentration of Hazardous Substances: N/A
Reportable Quantity of Product: N/A

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Section 15 - REGULATORY INFORMATION
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Information Not Available

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Section 16 - OTHER INFORMATION
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Supplemental State Compliance Information:
Pennsylvania: 1344281 Aluminum Oxide
 7727437 Barium Sulfate

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