

H1RAY1000-149

RAYLOC PISTON CUSHION

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MATERIAL SAFE DATA SHEET

Effective Date: JULY 14 2008

Code: PISTON CUSHION MATERIAL

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SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

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PRODUCT NAME: PISTON CUSHION

IDENTIFY BY THE FOLLOWING PART NUMBERS:

KPC200, PL080, PL090, PL100, PL110, PL120, PL130, PL140, PL150, PL160, PL170, PMT10, PS080
PS090, PS100, PS110, PS120, PS130, PS140, PS150, PS160, PS170, PS180, PS190, PS200, PS210
PS220, PS230, PS240, PS250, PS260, PS270

MANUFACTURER'S NAME:

Wolverine Advanced Materials
2638 Princess Street
Inkster, MI 48141

Telephone: 313-562-6400
Fax: 313-562-8248
Emergency: 313-562-6400

SUPPLIER'S NAME:

Rayloc
Division of Genuine Parts Company
600 Rayloc Drive SW
Atlanta, GA 30336"

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SECTION 1: MATERIAL IDENTIFICATION AND INFORMATION

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Components - Chemical Name & Common Names (Hazardous Components 1% or Greater; Carcinogens .1% or greater)	%	OSHA PEL	ACGIH TLV	Other Limits Recommended
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Hazardous Ingredients per GADSL*	0			
NONE				

NON-HAZARDOUS INGREDIENTS	100			
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Cross linked/vulcanized rubber
(Copolymer of Acrylonitrile
Butadiene and/or Ethylene Acrylate)
on a substrate of steel, fiberglass,
or a combination of both. Product
may include one or more of the
following adhesives and/or release
coatings (depending on grade
designation):

- Acrylic pressure sensitive adhesive with release paper
- Silicone pressure sensitive adhesive with release paper
- Nitrile Phenolic thermoset adhesive
- Phenolic thermoset adhesive

- Graphite, Fluorochemical, or Urethane type release coating

%AVERAGE PRODUCT WEIGHT

Steel Substrate (Min.) 80-95

Rubber/Adhesive/Release Coating (Max.) 5-20

These products are fully cured, hence only trace amounts of solvents, if any, are present. Therefore, the risk of exposure to these solvents during handling of these products is very minimal.

TOTAL 100

All chemicals used in these products are registered under TSCA. These products are rubber coated steel, fiberglass or combined laminates (with or without adhesive) manufactured in various thicknesses (See grades in Technical Specifications). These products are designated as "Articles" under OSHA Hazard Communication Standard, 29 CFR 1910.1200.

*GADSL = Global Automotive Declarable Substance List included in the IMDS (International Material Data System)

SECTION 2: Physical/Chemical Characteristics

Boiling Point	None, solid material	Specific Gravity (H ₂ O = 1)	Variable, component & grade dependent
Vapor Pressure (mm Hg and Temperature)	NA	Melting Point	>800F
Vapor Density (Air =1)	NA	Evaporation rate	NA
Solubility in Water	Insoluble	Water Reactive	Non-reactive
Appearance and Odor	BLACK RUBBER COATING ON STEEL (MAY INCLUDE ADHESIVES AND RELEASE PAPER); INSIGNIFICANT ODOR.		

SECTION 3: Fire and Explosion Hazard Data

Flash Point and Method Used	None	Auto-ignition temperature	None
Extinguishing Media	Water, foam, CO ₂ ; Standard fire fighting agents	Flammable Limits	N/A
Unusual Fire and Explosion Hazards	None	LEL UEL	N/A N/A
Special Fire Fighting Procedures	WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING TO PREVENT CONTACT WITH SKIN AND EYES. MAY RELEASE ACRYLONITRILE (ACN), PHENOL AND HYDROCYANIC ACID (HCN), WHEN BURNED.		

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SECTION 4: REACTIVITY DATA

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STABILITY STABLE	CONDITIONS TO AVOID: AVOID OPEN FLAME
INCOMPATIBILITY (MATERIALS TO AVOID)	N/A
HAZARDOUS DECOMPOSITION PRODUCTS	MAY RELEASE CO ₂ , CO, PHENOL, HCN OR ACN
HAZARDOUS POLYMERIZATION WILL NOT OCCUR	CONDITIONS TO AVOID: N/A

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SECTION 5: HEALTH HAZARDS DATA

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PRIMARY ROUTES OF ENTRY	CARCINOGEN LISTED IN
INHALATION, SKIN ABSORPTION, INGESTION NOT HAZARDOUS	NTP, IARC (Monograph) OSHA NOT LISTED
HEALTH HAZARDS	ACUTE: MAY CAUSE SKIN IRRITATION CHRONIC: NONE KNOWN
SIGNS AND SYMPTOMS OF EXPOSURE	NONE SPECIFIED/KNOWN
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE	NONE SPECIFIED/KNOWN

EMERGENCY FIRST AID PROCEDURES *Seek medical assistance for further treatment, observation and support if necessary*

EYE CONTACT	WASH AFFECTED AREA WITH WATER
SKIN CONTACT	WASH AFFECTED AREA WITH WATER, REMOVE CONTAMINATED CLOTHING AND WASH
INHALATION	REMOVE PERSON TO FRESH AIR
INGESTION	OBTAIN MEDICAL ASSISTANCE

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SECTION 6: CONTROL AND PROTECTIVE MEASURES

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RESPIRATORY PROTECTION	NONE NEEDED
PROTECTIVE GLOVES	FABRIC GLOVES
EYE PROTECTION	OSHA APPROVED SAFETY GLASSES

VENTILATION TO BE USED	LOCAL EXHAUST	MECHANICAL
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OTHER PROTECTIVE CLOTHING AND EQUIPMENT	N/A
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HYGIENIC WORK PRACTICES	YES
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SECTION 7: PRECAUTIONS FOR SAFE HANDLING AND USE/LEAK PROCEDURES

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STEPS TO BE TAKEN IF MATERIAL IS SPILLED OR RELEASED	N/A
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WASTE DISPOSAL METHODS	DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS
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PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE	STORE AT ROOM TEMPERATURE
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OTHER PRECAUTIONS AND/OR SPECIAL HAZARDS	NONE
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NFPA RATING	HEALTH N/A	FLAMMABILITY N/A	SPECIAL N/A	REACTIVITY N/A
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HMIS RATING	HEALTH N/A	FLAMMABILITY N/A	PERSONAL PROTECTION N/A	REACTIVITY N/A
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DATE	REVISION LEVEL	REVISION DESCRIPTION
12.01.95	A	Original Issue - new format, replaces all previous issues.
02.09.98	B	Revised page 2 – added “% Average Product Weight” and additional statements
02.17.98	C	Revised page 2 – added “Copolymer of” and “Phenolic thermoset adhesive”, and combined with Steel-N MSDS.
02.20.98	D	Revised page 2 - % Avg product weight
02.02.99	1	Revised page 1 – deleted asterisks and optional statement. Revised page 2 – Added release agents to Non-Hazardous Ingredients listing. (Online importation 4/7/99)
07.06.00	2	Revised page 1 – Added MS-18097, MS-18825, MS-18908, MS-18912, MS-18913.
09.19.00	3	Revised page 1 – Deleted MS-18070, MS-18071, MS-18643, MS-18670, MS-18906.
11.19.01	4	Added Q.S. #4EM30120 to title page.
05.13.02	5	Added MS-18828 and MS-18829.
07.22.03	6	Reformatted to Microsoft Word
12.09.03	7	Added MS-18009 and MS-18827
04.27.04	8	Revised page 2 – Added comments to clarify “steel substrate(s)” to Non-Hazardous Ingredients in Section 1
03.21.05	9	Added MS-18049 and MS-18919