



FRICION MATERIAL 4WD (1188)
MATERIAL SAFETY DATA SHEET

ISSUE DATE – 29 NOV 2005

SUPPLY DATE – 29 NOV 2005

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SECTION 1 IDENTIFICATION OF THE MATERIAL & SUPPLIER

PRODUCT NAME 4WD (1188)

APPLICATION Friction Material for vehicle brakes

SUPPLIER FMP Group (Australia) Pty Ltd
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SECTION 2 HAZARDS IDENTIFICATION

This product is classified as hazardous under the criteria of WorkSafe Australia

HAZARD CLASSIFICATION 1

RISK PHRASE(S) R38, R37, R20

SAFETY PHRASE(S) S51, S36

WARNING

HEALTH Normal use of this product will liberate dust. Avoid inhalation of dust.

ENVIRONMENT Dispose of as general industry waste.

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS Number	WEIGHT %	NOHSC TWA	NOHSC STEL	SKIN
Lime	1305-62-0	3%	5mg/m ³	---	---
Graphite	7782-42-5	9%	3mg/m ³	---	---
Copper	7440-50-8	16%	1mg/m ³	---	---
Synthetic Mineral Fibre		4%	0.5fibres/ml		
Ammonium Dichromate	7789-09-05	<0.1%		---	---
Carbon Black	1333-86-4	<0.1%	---	---	---
NON HAZARDOUS INGREDIENTS UP TO 100%					

SECTION 4 FIRST AID MEASURES

INHALATION Remove to fresh air.

SKIN CONTACT Wash exposed area with soap. Obtain medical advice if irritation develops.

EYE CONTACT Flush with large amounts of water for 15 minutes, keep eyelids open. Obtain medical advice.

INGESTION Obtain medical attention as a precautionary measure.

OTHER Clothing contaminated with fibrous dust should be isolated in the work area until laundered.



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SECTION 5 FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA	Carbon Dioxide, water, foam.
PROTECTION OF FIREFIGHTERS	Use respiratory protection.
HAZCHEM CODE	NOT APPLICABLE
HAZARDOUS DECOMPOSITION PRODUCTS	CARBON MONOXIDE CARBON DIOXIDE Oxides of NITROGEN.

SECTION 6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS	Avoid generating dust.
ENVIRONMENTAL PRECAUTIONS	NO INFORMATION AVAILABLE
METHODS FOR CLEANING UP	NOT APPLICABLE

SECTION 7 HANDLING AND STORAGE

HANDLING

TECHNICAL MEASURES	No special precautions necessary
PRECAUTIONS AND ADVICE	No special precautions necessary

STORAGE

TECHNICAL MEASURES	No special precautions necessary
STORAGE CONDITIONS	No special precautions necessary

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

NATIONAL EXPOSURE STANDARDS	NOT ESTABLISHED
BIOLOGICAL LIMIT VALUES	NOT ESTABLISHED
ENGINEERING CONTROLS	NOT ESTABLISHED
PERSONAL PROTECTIVE EQUIPMENT	GLOVES Protective gloves recommended
	EYE PROTECTION Safety glasses with side shields or goggles
	VENTILATION Local exhaust ventilation may be required
	OTHER EQUIPMENT Not required under normal use
	WORK HYGIENE Wash thoroughly after handling before eating, drinking or smoking



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SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	DARK GREY SOLID
Odour	NONE
pH	NOT AVAILABLE
Vapour Pressure	NOT AVAILABLE
Vapour Density	NOT AVAILABLE
Boiling point/range	NOT AVAILABLE
Freezing Point	NOT AVAILABLE
Solubility	INSOLUBLE
Specific Gravity or Density	2.46-2.64
Information on Flammability	
Flash Point	NOT AVAILABLE
UEL	NOT AVAILABLE
LEL	NOT AVAILABLE
Additional Information	
Specific Heat Value	NOT ESTABLISHED
Particle Size	NOT AVAILABLE
VOC Content	NOT ESTABLISHED
Evaporation Rate	NOT AVAILABLE
Viscosity	NOT APPLICABLE
Percent volatile	NOT AVAILABLE
Octanol/Water Partition Coefficient	NOT AVAILABLE
Saturated vapour concentration	NOT AVAILABLE
Additional applicable Characteristics	NONE
Flame Propagation	NOT APPLICABLE
Other Properties that may contribute to the intensity of a fire	NOT AVAILABLE
Potential for Dust Explosion	NONE
Reactions that release flammable gases or vapours	NOT AVAILABLE
Fast or intensely burning characteristics	NOT AVAILABLE
Non-flammables that could contribute unusual hazards to a fire	NONE
Release of invisible flammable vapours and gases.	NOT AVAILABLE
Decomposition temperature	NOT AVAILABLE

SECTION 10 STABILITY AND REACTIVITY

CHEMICAL STABILITY	STABLE
CONDITIONS TO AVOID	NONE
INCOMPATIBLE MATERIALS	Strong Oxidizing agents
HAZARDOUS DECOMPOSITION PRODUCTS	CARBON MONOXIDE CARBON DIOXIDE Oxides of NITROGEN Airborne Fibrous Dust
HAZARDOUS REACTIONS	NOT AVAILABLE



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SECTION 11 TOXICOLOGICAL INFORMATION

No information regarding effects or exposures.

SECTION 12 ECOLOGICAL INFORMATION

NO INFORMATION AVAILABLE

SECTION 13 DISPOSAL CONSIDERATIONS

WASTE FROM RESIDUES DISPOSE OF AS GENERAL INDUSTRY WASTE

CONTAMINATED PACKAGING NO AVAILABLE INFORMATION

SECTION 14 TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION (DOT) NOT AVAILABLE

INTERNATIONAL AIR TRANSPORTATION NOT AVAILABLE

INTERNATIONAL WATER TRANSPORTATION NOT AVAILABLE

DANGEROUS GOODS CLASS CLASS 9 – MISCELLANEOUS

UN NUMBER NOT AVAILABLE

HAZCHEM CODE NOT AVAILABLE

SPECIAL PRECAUTIONS FOR USE AVOID GENERATING DUST

SECTION 15 REGULATORY INFORMATION

Hazardous Substance, Dangerous Good, No EPA data available.

SECTION 16 OTHER INFORMATION

KEY / LEGEND

TLV	Threshold limit value
TWA	Time-weighted average
STEL	Short-term exposure limit
mg/m³	Milligrams per meter cubed
ppm	Parts per million

The following sections contain revisions OR NEW statements: NOT AVAILABLE

DISCLAIMER

While every effort has been made to ensure the accuracy of the information, the information is based on data believed by FMP Group (Australia) Pty. Ltd. to be accurate at the time of writing this Material Safety Data Sheet, but is subject to change without notice. Exact formulations are proprietary and therefore confidential. Precise product composition will not be disclosed except as in accordance with relevant laws and regulations. The information is given in good faith but FMP Group (Australia) Pty. Ltd. gives no warranty, expressed or implied of any kind whatsoever as to its accuracy, completeness or otherwise. Under no circumstances shall FMP Group (Australia) Pty. Ltd. be responsible for damages of any nature, directly or indirectly arising out of the materials referred to, or the publication, use or reliance upon the data provided.