



**FRICION MATERIAL DELUX (1188)**  
**MATERIAL SAFETY DATA SHEET**

ISSUE DATE – 29 NOV 2005

SUPPLY DATE – 29 NOV 2005

Page 1 of 4

**SECTION 1 IDENTIFICATION OF THE MATERIAL & SUPPLIER**

**PRODUCT NAME** Delux (1188)

**APPLICATION** Friction Material for vehicle brakes

**SUPPLIER** FMP Group (Australia) Pty Ltd  
Elizabeth Street, Ballarat VICTORIA

**EMERGENCY TELEPHONE** 61 3 53270211

**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 <sup>3</sup>	---	---
Graphite	7782-42-5	9%	3mg/m <sup>3</sup>	---	---
Copper	7440-50-8	16%	1mg/m <sup>3</sup>	---	---
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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Page 2 of 4

## SECTION 5 FIRE FIGHTING MEASURES

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

## SECTION 6 ACCIDENTAL RELEASE MEASURES

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

## SECTION 7 HANDLING AND STORAGE

### HANDLING

<b>TECHNICAL MEASURES</b>	No special precautions necessary
<b>PRECAUTIONS AND ADVICE</b>	No special precautions necessary

### STORAGE

<b>TECHNICAL MEASURES</b>	No special precautions necessary
<b>STORAGE CONDITIONS</b>	No special precautions necessary

## SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

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



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Page 3 of 4

## 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
<b>Information on Flammability</b>	
Flash Point	NOT AVAILABLE
UEL	NOT AVAILABLE
LEL	NOT AVAILABLE
<b>Additional Information</b>	
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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Page 4 of 4

**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**

<b>TLV</b>	Threshold limit value
<b>TWA</b>	Time-weighted average
<b>STEL</b>	Short-term exposure limit
<b>mg/m<sup>3</sup></b>	Milligrams per meter cubed
<b>ppm</b>	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.



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Page 1 of 4

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**RISK PHRASE(S)** R38, R37, R20

**SAFETY PHRASE(S)** S51, S56

**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**

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Lime	1305-62-0	3%	5mg/m <sup>3</sup>	---	---
Resin	9003-35-4	7%	---	---	---
Graphite	7782-42-5	3%	3mg/m <sup>3</sup>	---	---
Synthetic Mineral Fibre		7%	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.

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<b>TECHNICAL MEASURES</b>	No special precautions necessary
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Page 3 of 4

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Vapour Density	NOT AVAILABLE
Boiling point/range	NOT AVAILABLE
Freezing Point	NOT AVAILABLE
Solubility	INSOLUBLE
Specific Gravity or Density	1.7-2.5
<b>Information on Flammability</b>	
Flash Point	NOT AVAILABLE
UEL	NOT AVAILABLE
LEL	NOT AVAILABLE
<b>Additional Information</b>	
Specific Heat Value	NOT ESTABLISHED
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Page 4 of 4

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