



BRAKE FLUID - DOT 4 MATERIAL SAFETY DATA SHEET

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SECTION 1 IDENTIFICATION OF THE MATERIAL & SUPPLIER

PRODUCT NAME **BRAKE FLUID – DOT 4**

APPLICATION Hydraulic brake and clutch fluid

SUPPLIER FMP Group Australia, Elizabeth Street Ballarat Victoria 3350, Australia

EMERGENCY TELEPHONE (03) 5327 0211

SECTION 2 HAZARDS IDENTIFICATION

This product is not classified as hazardous under the criteria of NOHSC

Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code for transport by Rail and Road

HAZARD CLASSIFICATION NONE

RISK PHRASE(S)

SAFETY PHRASE(S)

WARNING

HEALTH Handle material in accordance with good industrial hygiene and safety practices

ENVIRONMENT Dispose in accordance with local environmental laws

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS Number	WEIGHT %	NOHSC TWA	NOHSC STEL	Carcinogen	SKIN
Base Oil (unspecified) Oil mist, refined mineral		100	5 mg/m3	---	---	---

NON HAZARDOUS INGREDIENTS

UP TO 100%

SECTION 4 FIRST AID MEASURES

INHALATION Remove to fresh air. Seek immediate medical attention if symptoms appear.

SKIN CONTACT Wash exposed area with soap and water. Remove contaminated clothing. Seek medical attention if irritation develops.

EYE CONTACT Flush with large amounts of water for 15 minutes, keep eyelids open. Seek medical attention if irritation occurs.

INGESTION Do not induce vomiting. Seek medical attention.



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SECTION 5 FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA	Foam, dry chemical, carbon dioxide or water fog. Do not use water jet.
PROTECTION OF FIREFIGHTERS	Use respiratory protection.
HAZCHEM CODE	NOT AVAILABLE
HAZARDOUS DECOMPOSITION PRODUCTS	Toxic fumes may be evolved during combustion

SECTION 6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS	Wear suitable personal protective clothing.
ENVIRONMENTAL PRECAUTIONS	Do not allow material to enter drains or sewers.
METHODS FOR CLEANING UP	Wear suitable personal protective clothing. Removal all sources of ignition. Soak up with inert absorbent. Store in closed metal container until ready for disposal. Consult EPA for disposal advice.

SECTION 7 HANDLING AND STORAGE

HANDLING

TECHNICAL MEASURES	Wear suitable personal protective clothing. Removal all sources of ignition. Avoid prolonged contact with skin. Work in well ventilated areas only.
PRECAUTIONS AND ADVICE	Wash thoroughly after handling.

STORAGE

TECHNICAL MEASURES	Keep container tightly closed. Store in cool well-ventilated place.
STORAGE CONDITIONS	Do not store above 46°C. Classified as combustible liquid class C1

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

NATIONAL EXPOSURE STANDARDS	See section 3 for component exposure standards										
BIOLOGICAL LIMIT VALUES	NOT ESTABLISHED										
ENGINEERING CONTROLS	Local exhaust ventilation is recommended where general ventilation is insufficient to control vapour and mist.										
PERSONAL PROTECTIVE EQUIPMENT	<table><tr><td>GLOVES</td><td>Protective gloves recommended</td></tr><tr><td>EYE PROTECTION</td><td>Safety glasses with side shields or goggles</td></tr><tr><td>VENTILATION</td><td>Local exhaust ventilation may be required</td></tr><tr><td>OTHER EQUIPMENT</td><td>Respiratory protection may be required if there is a potential to exceed the exposure limit.</td></tr><tr><td>WORK HYGIENE</td><td>Wash thoroughly after handling before eating, drinking or smoking</td></tr></table>	GLOVES	Protective gloves recommended	EYE PROTECTION	Safety glasses with side shields or goggles	VENTILATION	Local exhaust ventilation may be required	OTHER EQUIPMENT	Respiratory protection may be required if there is a potential to exceed the exposure limit.	WORK HYGIENE	Wash thoroughly after handling before eating, drinking or smoking
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SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Blue Liquid
Odour	NOT APPLICABLE
pH	7 - 11
Vapour Pressure	< 0.2
Vapour Density	1.010-1.070 kg/L
Boiling point/range (ERBP)	260°C Min
Wet Boiling Point	155°C Min
Freezing Point	NOT AVAILABLE
Solubility	Soluble in water
Specific Gravity or Density	NOT AVAILABLE
Information on Flammability	
Flash Point	>90°C
UEL	NOT AVAILABLE
LEL	NOT AVAILABLE
Additional Information	
Specific Heat Value	NOT ESTABLISHED
Particle Size	NOT AVAILABLE
VOC Content	NOT AVAILABLE
Evaporation Rate	NOT AVAILABLE
Viscosity	5 -10 cst @ 40°C
Percent volatile	NOT AVAILABLE
n-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	NOT AVAILABLE
Release of invisible flammable vapours and gases.	NOT AVAILABLE
Decomposition temperature	NOT AVAILABLE

SECTION 10 STABILITY AND REACTIVITY

CHEMICAL STABILITY	NORMALLY STABLE
CONDITIONS TO AVOID	EXCESSIVE HEAT, SOURCES OF IGNITION AND OXIDISING COMPOUNDS
INCOMPATIBLE MATERIALS	REACTIVE WITH OXIDISING COMPOUNDS
HAZARDOUS DECOMPOSITION PRODUCTS	CARBON MONOXIDE CARBON DIOXIDE
HAZARDOUS REACTIONS	NOT AVAILABLE



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SECTION 11 TOXICOLOGICAL INFORMATION

Carcinogenic effects:

No component of this product at levels greater than or equal to 0.1% is identified as a carcinogen by American Conference of Governmental Industrial Hygienists (ACGIH), International Agency for Research on Cancer (IARC), European Commission (EC) or The National Occupational Health and Safety Commission (NOHSC).

No other information regarding other effects or exposures (other than those in section 3).

SECTION 12 ECOLOGICAL INFORMATION

NO INFORMATION AVAILABLE

SECTION 13 DISPOSAL CONSIDERATIONS

WASTE FROM RESIDUES	DISPOSE OF AS PER FEDERAL, STATE AND /OR LOCAL REGULATIONS.
CONTAMINATED PACKAGING	NO AVAILABLE INFORMATION

SECTION 14 TRANSPORT INFORMATION

PROPER SHIPPING NAME	NOT AVAILABLE
DANGEROUS GOODS CLASS	NOT AVAILABLE
UN NUMBER	NOT AVAILABLE
HAZCHEM CODE	NOT AVAILABLE
PACKING GROUP	NOT AVAILABLE
SPECIAL PRECAUTIONS FOR USE	Item is classified as a C1 Combustible Material
INTERNATIONAL AIR TRANSPORTATION	NOT AVAILABLE
INTERNATIONAL WATER TRANSPORTATION	NOT AVAILABLE

SECTION 15 REGULATORY INFORMATION

All product ingredients listed on this MSDS are available on the Hazardous Substances Information System (HSIS) website.



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SECTION 16 OTHER INFORMATION

KEY / LEGEND

NES	National Exposure Standard
TWA	Time-weighted average
STEL	Short-term exposure limit
C	Ceiling limit
mg/m³	Milligrams per meter cubed
ppm	Parts per million

The following sections contain revisions OR NEW statements: NOT AVAILABLE

DISCLAIMER

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