

Material Safety Data Sheet

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Infosafe No.	CASAB	Issue Date : March 2006	ISSUED by CASTROL
Product Name :	FN (EP) GREASE		

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name	FN (EP) GREASE
Product Code	060228
Company Name	Castrol Australia Pty. Limited (ABN 87 008 459 407)
Address	132 McCredie Road, Guildford, NSW 2161 Australia
Emergency Tel.	1800 14 14 74
Telephone/Fax Number	Tel: (02) 9795 4800 Fax: (02) 9795 4910
Recommended Use	Lubricating grease where incidental food contact may occur.
Other Information	Technical Help Line 1300 557 998 (Local Call)

2. HAZARDS IDENTIFICATION

Hazard Classification	NON-HAZARDOUS SUBSTANCE. NON-DANGEROUS GOODS. Hazard classification according to the criteria of NOHSC. Dangerous goods classification according to the Australia Dangerous Goods Code.
Other Information	High-pressure equipment can cause small, often bloodless, puncture wounds where material may have been injected deep into the skin. Within 24 hours, there is usually extensive swelling, discoloration and intense pain in the affected part. Requires immediate medical treatment; else amputation of the affected part may occur.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Information on Composition	Contains petroleum distillates and proprietary performance additives.		
Ingredients	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
	Ingredients determined not to be hazardous	Not required	100 %

4. FIRST AID MEASURES

Inhalation	Remove the source of contamination or move the victim to fresh air. Ensure airways are clear and have qualified person give oxygen through a facemask if breathing is difficult. If irritation develops and persists, seek medical attention.
Ingestion	DO NOT induce vomiting. Immediately wash out mouth with water. Seek medical attention.
Skin	Remove all contaminated clothing. Wash gently and thoroughly with water and non-abrasive soap. Ensure contaminated clothing is washed before re-use or discard. If irritation develops, seek medical attention. If material is injected under the skin, seek immediate medical attention.
Eye	If contact with the eye(s) occur, wash with copious amounts of water for approximately 15 minutes holding eyelids(s) open. Take care not to rinse contaminated water into the non-affected eye. If irritation develops and persists, seek medical attention.
First Aid Facilities	Eye wash and normal washroom facilities.
Advice to Doctor	Treat symptomatically.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media	Carbon dioxide, dry chemical, or foam. Water or foam may cause frothing.
Specific Methods	Do NOT use water jets. Cool fire exposed containers with water spray. Self-Contained Breathing Apparatus (S.C.B.A) and full protective clothing should be worn.
Specific Hazards	Combustible substance. This product will burn if exposed to fire.
Hazchem Code	None Allocated

6. ACCIDENTAL RELEASE MEASURES

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Emergency Procedures	SMALL - 20 LITRES OR LESS Soak up on Castrol Diatomaceous Earth or similar inert oil absorbent. Arrange for disposal through an approved facility. LARGE - GREATER THAN 20 LITRES Remove all sources of ignition. Increase ventilation. Evacuate all unnecessary personnel. Wear full protective equipment and clothing to minimise exposure. If possible contain the spill. Place inert absorbent material such as vermiculite, sand or dirt onto spillage. Use clean non-sparking tools to collect the material and place into a suitable labelled container. If large quantities of this material enter the waterways contact the Environmental Protection Authority, or your local Waste Management Authority.
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7. HANDLING AND STORAGE

Precautions for Safe Handling	Repeated or prolonged contact with this material should be avoided in order to lessen the possibility of skin disorders. It is essential that all who come into contact, maintain high standards of personal hygiene ie. washing hands prior to eating, drinking or going to the toilet. Build-up of mists in the working atmosphere must be prevented. Misuse of empty containers can be hazardous. Do not cut, weld, heat or drill containers. Residue may ignite with explosive violence if heated sufficiently. Do not pressurise or expose to open flame or heat. Keep container closed and bung in place.
Conditions for Safe Storage	Classified as a combustible substance for storage and handling purposes. Store in a cool, dry, well-ventilated area, out of direct sunlight. Avoid sparks, flames, and other ignition sources. Store away from incompatible materials such as materials that support combustion (oxidising materials). Reference can be made to Australian Standard AS1940- The storage and handling of flammable and combustible liquids.
Corrosiveness	Not corrosive to aluminium.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards	No value assigned for this specific material by the National Occupational Health and Safety Commission (NOHSC). However, Exposure Standards for oil mist are listed below. SUBSTANCE															
	<table border="1"><thead><tr><th></th><th colspan="2">TWA</th><th colspan="2">STEL</th></tr><tr><th></th><th>ppm</th><th>mg/m³</th><th>ppm</th><th>mg/m³</th></tr></thead><tbody><tr><td>Oil mist, mineral</td><td>-</td><td>5</td><td>-</td><td>10</td></tr></tbody></table>		TWA		STEL			ppm	mg/m ³	ppm	mg/m ³	Oil mist, mineral	-	5	-	10
	TWA		STEL													
	ppm	mg/m ³	ppm	mg/m ³												
Oil mist, mineral	-	5	-	10												
Biological Limit Values	No biological limit allocated.															
Engineering Controls	Where vapours or mists are generated and exposure standards are exceeded, the use of respiratory protection, or a local exhaust ventilation system is recommended.															
Respiratory Protection	Avoid breathing of vapours or mists. Where ventilation is inadequate and vapours or mists are generated the use of an approved respirator with organic vapour/particulate filter complying with AS/NZS 1715 and AS/NZS 1716 is recommended. Final choice of appropriate breathing protection is dependant upon actual airborne concentrations and the type of breathing protection required will vary according to individual circumstances. Expert advice may be required to make this decision. Reference should be made to Australian Standards AS/NZS 1715- Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716- Respiratory Protective Devices.															
Eye Protection	Safety glasses or face shield as appropriate. Refer to the Australian Standard AS/NZS 1337- Eye Protectors for Industrial Applications.															
Hand Protection	Impervious gloves recommended. It is advisable that a local glove manufacturer is consulted regarding the choice of material.															
Body Protection	Wear appropriate protective clothing including chemical resistant apron where clothing is likely to be contaminated. It is advisable that a local supplier of personal protective clothing is consulted regarding the choice of material.															

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Soft white smooth grease.
Odour	Oily.
Melting Point	Not available

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Product Name : **FN (EP) GREASE**

Boiling Point	Not available
Solubility in Water	Insoluble
Specific Gravity	0.96 @ 15°C
pH Value	Not applicable
Vapour Pressure	Not available
Vapour Density (Air=1)	Not available
Volatile Component	Not available
Flash Point	>177°C (Closed cup)
Flammability	Combustible substance. Remove all sources of heat and ignition.
Flammable Limits - Lower	Not available
Flammable Limits - Upper	Not available

10. STABILITY AND REACTIVITY

Chemical Stability	Stable under normal conditions of storage and handling.
Incompatible Materials	Strong oxidising agents.
Hazardous Decomposition Products	Oxides of carbon.
Hazardous Polymerization	Will not occur.

11. TOXICOLOGICAL INFORMATION

Toxicology Information	No toxicity data is available for this product.
Inhalation	May cause irritation to the mucous membrane and upper airways, especially if the material is heated or mists are generated and/or is used in poorly ventilated areas. Symptoms may include headache, dizziness and nausea.
Ingestion	May cause irritation of the gastrointestinal system. Symptoms may include nausea, vomiting and diarrhoea.
Skin	May dry and defat the skin, resulting in skin irritation and possible dermatitis. Material accidentally injected under the skin can result in local necrosis and tissue damage.
Eye	Direct eye contact with material may cause irritation which can result in redness, stinging and tearing.
Chronic Effects	Prolonged or repeated contact with this material may result in skin irritation leading to dermatitis.

12. ECOLOGICAL INFORMATION

Ecotoxicity	No data available for this specific product.
Persistence / Degradability	No data available for this specific product.
Mobility	No data available for this specific product.
Environ. Protection	Prevent this material from entering the environment.

13. DISPOSAL CONSIDERATIONS

Disposal Considerations	Dispose of waste according to federal, E.P.A. and state regulations. Assure conformity with all applicable regulations.
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14. TRANSPORT INFORMATION

Transport Information	Not classified as a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.
U.N. Number	None Allocated

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Product Name : **FN (EP) GREASE**

Proper Shipping Name	None Allocated
DG Class	None Allocated
Hazchem Code	None Allocated
Packing Group	None Allocated

15. REGULATORY INFORMATION

Poisons Schedule	Not Scheduled
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16. OTHER INFORMATION

Date of preparation	MSDS Review: March 2006
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or last revision of	Supersedes: March 2001
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MSDS

Contact Person/Point For information concerning details on this Safety Data Sheet contact your local Technical Services Manager on the following numbers:-

Sydney: (02) 9795 4800
Melbourne: (03) 9268 4200
Brisbane: (07) 3850 9300
Adelaide: (08) 8347 6200
Perth: (08) 9268 9288

Castrol Technical Help Line 1300 557 998 (Local call)

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24 HOUR EMERGENCY CONTACT

1800 638 556

24 HOUR EMERGENCY CONTACT (New Zealand Only)

0800 154 666

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