

# Material Safety Data Sheet

Infosafe No. XAGH9 Issue Date: December 2001 ISSUED by CASTROL  
Product Name: CASTROL OPTIGEAR BM 100, 150, 220, 320, 460

**Not classified as hazardous according to criteria of NOHSC**

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## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

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### Product Name

CASTROL OPTIGEAR BM 100, 150, 220, 320, 460

### Company Name

Castrol Australia Pty. Limited (ABN 87 008 459 407)

### Address

132 McCredie Road, Guildford,  
NSW, 2161 Australia

### Emergency Tel.

1800 638 556

### Telephone Number/Fax

Tel: (02) 9795 4800 Fax: (02) 9795 4910

### Other Information

Castrol Technical Help Line 1300 557 998 (Local call)

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## 2. COMPOSITION/INFORMATION ON INGREDIENTS

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<b>Ingredients</b>	<b><u>Name</u></b>	<b><u>CAS</u></b>	<b><u>Proportion</u></b>
	Ingredients determined not to be hazardous	Not required	100 %

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## 3. HAZARDS IDENTIFICATION

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## 4. FIRST AID MEASURES

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### 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, and then give plenty of water to drink. 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 and persists seek 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.

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**5. FIRE FIGHTING MEASURES**

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**Extinguishing Media**

Carbon dioxide, dry chemical, foam.

**Specific Methods**

Wear self contained breathing apparatus and full protective clothing when fire fighting in a confined space. Cool fire exposed containers with waterspray to prevent rupture.

**Specific Hazards**

Combustible liquid.

**Hazardous****Combustion Products**

Potential combustion products are oxides of carbon, sulfur, molybdenum, nitrogen and phosphorous.

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**6. ACCIDENTAL RELEASE MEASURES**

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**Other Information**

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 such as vermiculite, sand or dirt onto material. Use clean non-sparking tools to collect the material and place into a suitable labelled container. Do not dilute material but contain. 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**

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### Handling

WARNING STATEMENT: Repeated or prolonged contact with lubricants and industrial oils should be avoided in order to lessen the possibility of skin disorders. It is essential that all who come into contact with lubricants and industrial oils maintain high standards of personal hygiene ie. washing hands prior to eating, drinking or going to the toilet. Build-up of oil mists in the working atmosphere must be prevented.

### Storage

Classified as a class C2 combustible liquid for storage and handling purposes. Store in a well ventilated place away from ignition sources, oxidising agents foodstuffs and clothing. Keep containers closed when not in use. Bring product to room temperature before use.

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## 8. EXPOSURE CONTROLS, PERSONAL PROTECTION

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### Exposure Limits

No value assigned for this specific product by the National Occupational Health and Safety Commission (NOHSC). However, Exposure Standards for oil mists is listed below.

SUBSTANCE	TWA		STEL	
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Oil mist, mineral	-	5	-	10

Exposure Standard means the average concentration of a particular substance in the worker's breathing zone, exposure to which, according to current knowledge, should not cause adverse health effects nor cause undue discomfort to nearly all workers. It can be of three forms; time-weighted average (TWA), peak limitation, or short term exposure limit (STEL).

### Respiratory Protection

Avoid breathing of vapours, mists or spray. Select and use respirators in accordance with AS/NZS 1715/1716. When mists or vapours exceed the exposure standards then the use of the following is recommended: Half facepiece respirator with organic vapour (Type A) and dust/mist (Type P1) filters. Filter capacity and respirator type depends on exposure levels.

### Eye Protection

Safety glasses with side shield or chemical goggles as appropriate.

### Hand Protection

Impervious gloves such as rubber should be used when handling this product.

### Eng. Controls

Natural ventilation should be adequate under normal use conditions. Where vapours or mists are generated the use of a local exhaust ventilation system is recommended.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

Product Name : CASTROL OPTIGEAR BM 100, 150, 220, 320, 460

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**Appearance**

Transparent red-brown liquid with a mildly sweet odour.

**Melting Point**

24°C

**Boiling Point**

Not available

**Solubility in Water**

Insoluble

**Specific Gravity**

(H<sub>2</sub>O=1)

0.9010 at 15°C (H<sub>2</sub>O=1)

**pH Value**

Not applicable

**Vapour Pressure**

Not available

**Vapour Density**

(Air=1)

Not available

**Evaporation Rate**

Not available

**Coefficient**

**Water/Oil Distr.**

Not available

**Viscosity**

Not available

**Volatile Component**

Not available

**Flash Point**

210°C (COC)

**Flammability**

Combustible liquid, C2. Prohibit sources of ignition, heat and naked flames.

**Ignition Temperature**

Not available

**Flammable Limits LEL**

Not applicable

**Flammable Limits UEL**

Not applicable

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**10. STABILITY AND REACTIVITY**

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**Stability**

Stable under normal conditions.

**Materials to Avoid**

Strong oxidising agents.

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**11. TOXICOLOGICAL INFORMATION**

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**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.

**Ingestion**

May cause irritation to the mouth, oesophagus and stomach. Vomiting may lead to aspiration into the lungs with a possibility of a type of pneumonia.

**Skin**

May dry and defat the skin, resulting in slight skin irritation and possible dermatitis.

**Eye**

May cause slight to moderate eye irritation, resulting in redness, stinging and lachrymation. Not anticipated to cause permanent eye injury.

**Chronic Effects**

Prolonged or repeated contact with this material may result in skin irritation leading to dermatitis.

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**12. ECOLOGICAL INFORMATION**

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**Environ. Protection**

Non-biodegradable. Harmful to aquatic life. Avoid contaminating waterways.

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**13. DISPOSAL CONSIDERATIONS**

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**Waste Disposal**

Dispose of in accordance with local, state and federal regulations. Disposal of this material to the land may be banned by federal law.

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**14. TRANSPORT INFORMATION**

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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

**Proper Shipping Name**

None Allocated

**DG Class**

None Allocated

**Hazchem Code**

None Allocated

**Packing Group**

None Allocated

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**15. REGULATORY INFORMATION**

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**Poisons Schedule**

Not Scheduled

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**16. OTHER INFORMATION**

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**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**

1 800 638 556

24 HOUR EMERGENCY CONTACT (New Zealand Only)

0800 154 666

**...End Of MSDS...**