

Material Safety Data Sheet

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Product Name: CASTROL OPTIMOL OPTIGEAR BM 680, 1000, 1500, 2200, 3000, 5000

Classified as hazardous according to criteria of NOHSC

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Product Name

CASTROL OPTIMOL OPTIGEAR BM 680, 1000, 1500, 2200, 3000, 5000

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)

2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Ingredients</u>	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
	Ingredients determined not to be hazardous	Not required	Balance
	Reaction product of ethoxylated fatty amines and ammonium molybdate	Proprietary	< 0.5%

3. HAZARDS IDENTIFICATION

Classified as hazardous according to the criteria of the NOHSC.

Not classified as dangerous goods according to the ADG Code.

Risk Phrases

R43 May cause sensitization by skin contact.

Safety Phrases

S24 Avoid contact with skin.

Product Name : CASTROL OPTIMOL OPTIGEAR BM 680, 1000, 1500, 2200, 3000, 5000

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, 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.

5. FIRE FIGHTING MEASURES

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 nitrogen and carbon.

6. ACCIDENTAL RELEASE MEASURES

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.

7. HANDLING AND STORAGE

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.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

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 ³	ppm	mg/m ³
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.

Body Protection

Appropriate clothing ie. plastic apron, sleeves, overalls, to avoid skin contact.

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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Dark brown liquid

Melting Point

Not available

Solubility in Water

Insoluble

Specific Gravity

(H₂O=1)

0.9300 ± 0.005 at 15°C (H₂O=1)

pH Value

Not applicable

Vapour Pressure

Not applicable

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

238°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

Molecular Weight

Not applicable

10. STABILITY AND REACTIVITY

Stability

Stable under normal conditions

Materials to Avoid

Strong oxidisers, acids and alkalies.

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.

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 cause redness, itching and irritation. This product may cause sensitisation in some individuals.

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 skin contact may lead to allergic contact dermatitis and sensitisation in some individuals.

12. ECOLOGICAL INFORMATION

Environ. Protection

Do not allow material to enter the environment.

13. DISPOSAL CONSIDERATIONS

Waste Disposal

Dispose of in accordance with local, state and federal regulations.

14. 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

Proper Shipping Name

None Allocated

DG Class

None Allocated

Hazchem Code

None Allocated

Packing Group

None Allocated

15. REGULATORY INFORMATION

Risk Phrase

R43 May cause sensitization by skin contact.

Safety Phrase

S24 Avoid contact with skin.

Poisons Schedule

Not Scheduled

Hazard Category

Irritant

16. OTHER INFORMATION

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

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