

Material Safety Data Sheet

Infosafe No. 7CA50 Issue Date: March 2005 ISSUED by CASTROL
Product Name: **BOATING GREASE**

Not classified as hazardous according to criteria of NOHSC

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Product Name

BOATING GREASE

Product Code

100909

Product Use

Grease for marine applications.

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

Information on Composition

A lithium complex soap based grease containing highly refined petroleum distillates, plus tackiness and antiwear agents.

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

3. HAZARDS IDENTIFICATION

Product Name : BOATING GREASE

Not classified as hazardous according to the criteria of the NOHSC.
Not classified as dangerous goods according to the ADG Code.

Risk Phrases

Not applicable

Safety Phrases

Not applicable

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.

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

Extinguishing Media

Carbon dioxide, dry chemical, or foam. Water or foam may cause frothing. Do NOT use water jets. Cool fire exposed containers with water spray.

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Specific Methods

Self-Contained Breathing Apparatus (S.C.B.A) and full protective clothing should be worn.

Specific Hazards

Combustible substance.

6. ACCIDENTAL RELEASE MEASURES

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.

7. HANDLING AND STORAGE

Corrosiveness

Not corrosive to aluminium.

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.

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 should be made to Australian Standard AS1940- The storage and handling of flammable and combustible liquids.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Exposure Limits

Product Name : BOATING GREASE

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	TWA		STEL	
	ppm	mg/m ³	ppm	mg/m ³
Oil mist, mineral	-	5	-	10

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.

Eng. 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.

Other Information

Biological Limit Values: No biological limit allocated.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Smooth blue grease.

Melting Point

Not available

Boiling Point

Not available

Solubility in Water

Insoluble

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**Specific Gravity
(H₂O=1)**

0.90 @ 15°C

pH Value

Not applicable

Vapour Pressure

Not available

**Vapour Density
(Air=1)**

Not available

Volatile Component

Not available

Flash Point

>180°C (Closed cup)

Flammability

Combustible substance. Remove all sources of heat and ignition.

Flammable Limits LEL

Not available

Flammable Limits UEL

Not available

10. STABILITY AND REACTIVITY

Stability

Stable under normal conditions of storage and handling.

Hazardous**Polymerization**

Will not occur.

Materials to Avoid

Strong oxidising agents.

Hazardous**Decomposition****Products**Oxides of carbon.

11. TOXICOLOGICAL INFORMATION

**Toxicology
Information**

The major base oil in this product is severely refined and/or severely hydrotreated and shows no evidence of carcinogenic effects through various studies. This is also confirmed by using various screening methods such as

IP346.

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 lachrymation.

Chronic Effects

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

12. ECOLOGICAL INFORMATION

Environ. Protection

Prevent this material from entering the environment.

Mobility

No data available for this specific product.

**Persistence /
Degradability**

No data available for this specific product.

Ecotoxicity

No data available for this specific product.

13. DISPOSAL CONSIDERATIONS

Dispose of waste according to federal, E.P.A. and state regulations. Assure conformity with all applicable 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

Product Name : BOATING GREASE

None Allocated

Proper Shipping Name

None Allocated

DG Class

None Allocated

Hazchem Code

None Allocated

Packing Group

None Allocated

15. REGULATORY INFORMATION

Poisons Schedule

Not Scheduled

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

SDS History

MSDS Review: March 2005

Supersedes: May 2000

...End Of MSDS...