

Material Safety Data Sheet

Infosafe No. 8AF7M Issue Date: September 2001 ISSUED by CASTROL
Product Name: **CASTROL OPTIMOL OPTIPIT**

Classified as hazardous according to criteria of NOHSC

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Product Name

CASTROL OPTIMOL OPTIPIT

Product Code

66400AG

Product Use

Note: High Pressure Applications Injections through the skin resulting from contact with the product at high pressure constitute a major medical emergency. See 'Medical Advice' under First-Aid Measures Section 4 of this Safety Data Sheet.

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

Contains no other ingredients now known to be hazardous as defined by OSHA 9 CFR 1910.1000 (subpart z) and OSHA CFR 29 1910.1200 or NJ Right-to-Know (NJ C 8:59).

Ingredients	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
	Distillates, petroleum, hydrotreated	64742-54-7	40-45 %

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heavy paraffinic		
Distillates (petroleum), solvent-refined heavy paraffinic	64741-88-4	30-35 %
Residual Oils, Petroleum, Solvent-Refined	64742-01-4/	5-10 %
Zinc Compounds	68649-42-3	1-5 %
Proprietary Molybdenum Compound	Not applicable	1-5 %
Lithium salt of tall-oil fatty acids		< 1%
Reaction product of ethoxylated fatty amines and ammonium molybdate	Proprietary	< 1%

Other Information

A component of this product is being introduced under a Low Volume Chemical Permit granted under section 21U(2) of the Industrial Chemicals (Notification and Assessment) Act 1989.

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.

Route(s) of Entry

Skin contact, eye contact, inhalation.

4. FIRST AID MEASURES

Inhalation

If respiratory discomfort or irritation occurs, move the person to fresh air. See a doctor if discomfort or irritation continues.

Ingestion

If swallowed, call a physician immediately. Only induce vomiting at the instructions of a physician. Never give anything by mouth to an unconscious person.

Skin

Wash skin with soap and water. If irritation occurs, get medical attention. Wash clothing before reuse.

Eye

In case of contact, flush eyes with plenty of water. Get medical attention if irritation persists.

First Aid Facilities

Eyewash facility.

Advice to Doctor

Treatment should in general be symptomatic and directed to relieving any effects.

Note: High Pressure Applications Injections through the skin resulting from contact with the product at high pressure constitute a major medical emergency. Injuries may not appear serious at first but within a few hours tissue becomes swollen discoloured and extremely painful with extensive subcutaneous necrosis. Surgical exploration should be undertaken without delay. Thorough and extensive debridement of the wound and underlying tissue is necessary to minimise tissue loss and prevent or limit permanent damage. Note that high pressure may force the product considerable distances along tissue planes.

5. FIRE FIGHTING MEASURES

Extinguishing Media

Water fog, dry chemical, foam or CO2.

Specific Methods

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

Specific Hazards

None known.

Hazardous

Combustion Products

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

6. ACCIDENTAL RELEASE MEASURES

Other Information

Spills should be contained, absorbed and placed in suitable containers for disposal. Do not discharge into waterways or sewer systems.

7. HANDLING AND STORAGE

Storage

Wash contaminated clothing before reuse. Do not take internally. Avoid contact with skin and eyes. Keep containers closed when not in use. Store in cool dry place. Bring product to room temperature prior to use.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Exposure Limits

Product Name : CASTROL OPTIMOL OPTIPIT

If applicable, the exposure limited listed are found in the ACGIH TLV guide for TWA unless otherwise noted.

CAS NUMBER	EXPOSURE GUIDELINE
Proprietary	5 mg/m ³ (as Mo) TWA
64741-88-4	5 mg/m ³ TWA
64742-01-4	5 mg/m ³ TWA
64742-54-7	5 mg/m ³ TWA

PETROLEUM OIL:
STEL: 10 mg/m³.

Respiratory Protection

Good industrial hygiene practices recommend that engineering controls be used to reduce environmental concentrations to the threshold limit value (TLV) or permissible exposure limit (PEL). If any associated TLV or PEL is exceeded, provide NIOSH approved respiratory protection.

Eye Protection

Safety glasses with side shield or chemical goggles.

Hand Protection

Chemical resistant gloves should be used when handling this product.

Body Protection

Appropriate clothing to avoid skin contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Red-brown pasty grease with mild odour.

Melting Point

Not known

Boiling Point

Not applicable

Solubility in Water

Insoluble

Specific Gravity (H₂O=1)

at 15°C (H₂O=1): 0.9000

pH Value

Not applicable

Vapour Pressure

Not determined

Vapour Density (Air=1)

Not determined

Evaporation Rate

Not determined

**Coefficient
Water/Oil Distr.**

Not determined

Viscosity

Not available

Volatile Component

Not determined

Flash Point

>240°C ISO 2592

Ignition Temperature

Not determined

Flammable Limits LEL

Not applicable

Flammable Limits UEL

Not applicable

Molecular Weight

Not applicable

Other Information

Freezing Point: Not determined

Density: Not calculated

Softening Point: Not determined

Bulk Density: Not determined

VOC: Not tested

Saturated Vapour Concentration: Not determined

10. STABILITY AND REACTIVITY

Stability

Stable under normal conditions.

CONDITIONS TO AVOID: None known.

Materials to Avoid

Strong oxidising agents.

Hazardous

Decomposition

Products

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

11. TOXICOLOGICAL INFORMATION

**Toxicology
Information**

Product Name : CASTROL OPTIMOL OPTIPIT

Oral LD50 not established.

Using terminology of the International Agency for Research on Cancer (IARC), the petroleum distillates listed in Section INGREDIENTS are classified by the supplier as severely processed. Not all those listed in Section INGREDIENTS may be present. The supplier has stated that these distillates do not require a carcinogen label as defined by OSHA 29 CFR 1910.1200.

Inhalation

TLV for product not established.

Ingestion

Do not ingest.

Skin

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

Eye

May cause eye irritation.

Chronic Effects

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

Carcinogenicity

No component present in this product at >0.1% is presently listed as a carcinogen by IARC, NTP or OSHA.

12. ECOLOGICAL INFORMATION

Environ. Protection

No specific ecological data are available for this product.

13. DISPOSAL CONSIDERATIONS

Waste Disposal

US EPA HAZARDOUS WASTE NUMBERS:

This material is regulated as used oil by the EPA. Under the Used Oil Management Standards (§) CFR 279) effective 3/8/93, EPA presumes used oil will be recycled. If it is, no characteristic determination is required provided all parties handling the used oil comply with part 279. These management standards apply to used oil until it is disposed of or sent for disposal. Individual state regulations may differ from the federal regulations. Refer to applicable state and local regulations for proper handling procedures.

GENERAL DISPOSAL CONSIDERATIONS:

Dispose of in accordance with local, state and federal regulations. Disposal of this material to the land may be banned by federal law (40 CFR 268).

14. TRANSPORT INFORMATION

Product Name : CASTROL OPTIMOL OPTIPIT

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)

IMPORTANT DISCLAIMER

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24 HOUR EMERGENCY CONTACT

1 800 638 556

24 HOUR EMERGENCY CONTACT (New Zealand Only)

Product Name : CASTROL OPTIMOL OPTIPIT

0800 154 666

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