

Material Safety Data Sheet

Infosafe No. 8AF7S Issue Date: September 2001 ISSUED by CASTROL
Product Name: **OPTIMOL OPTICOATING TF SPRAY**

Not classified as hazardous according to criteria of NOHSC

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Product Name

OPTIMOL OPTICOATING TF SPRAY

Product Code

67902A

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 29 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>
	Naphtha (Petroleum), Hydrotreated Light	64742-49-0	35-40 %
	2-Propanol	67-63-0	25-30 %
	Butane	106-97-8	20-25 %
	Propane	74-98-6	5-10 %
	Solvent Naphtha (petroleum), medium aliphatic	64742-88-7	1-5 %
	Molybdenum Sulfide (MOS2)	1317-33-5	1-5 %

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3. HAZARDS IDENTIFICATION

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

In case of contact, wash skin with plenty of soap and water. Remove contaminated clothing. Get medical attention if irritation persists. Wash clothing before reuse. Use skin cream for defatted areas.

Eye

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

First Aid Facilities

Eyewash facility.

5. FIRE FIGHTING MEASURES

Extinguishing Media

Water fog, dry chemical, foam or CO₂.

Specific Methods

In case of fire, cans may explode if they are not removed or cooled. Apply water from a safe distance to cool containers and protect surrounding area.

Specific Hazards

Heat, sparks, pilot lights, and open flame.

Hazardous

Combustion Products

Oxides of carbon are potential combustion products.

6. ACCIDENTAL RELEASE MEASURES

Other Information

Product Name : OPTIMOL OPTICOATING TF SPRAY

Remove sources of ignition. Treat with an oil absorbent. Provide adequate ventilation and use respirator for large spills. Recover free liquid. Keep products out of streams and waterways by diking or impounding. Advise authorities if product has entered or may enter sewers, watercourses or extensive land areas.

7. HANDLING AND STORAGE

Storage

DANGER! FLAMMABLE GAS MAY CAUSE FLASH FIRE. Keep away from heat, sparks, and flame. Keep container closed. Use with adequate ventilation.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Exposure Limits

CAS NUMBER	EXPOSURE GUIDELINE
106-97-8	800 ppm TWA; 1900 mg/m ³ TWA
1317-33-5	10 mg/m ³ as Mo TWA
142-82-5	400 ppm TWA; 1640 mg/m ³ TWA
64742-49-0	5 mg/m ³ TWA
64742-88-7	435 mg/m ³ TWA
67-63-0	400 ppm TWA; 983 mg/m ³ TWA
67-64-1	(750) ppm TWA; (1780) mg/m ³ TWA
74-98-6	simple asphyxiant

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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Silver-black dry coating (after aerosol application).

Melting Point

0°C

Boiling Point

Product Name : OPTIMOL OPTICOATING TF SPRAY

Not determined

Solubility in Water

Not applicable

Specific Gravity

(H₂O=1)

at 15°C (H₂O=1): 0.7100

pH Value

Not applicable

Vapour Pressure

Not determined

Vapour Density

(Air=1)

(Air=1): >1

Evaporation Rate

(n-Butyl Acetate=1): >1

Coefficient**Water/Oil Distr.**

Not determined

Viscosity

Not available

Volatile Component

99%

Flash Point

-18°C

Ignition Temperature

Not determined

Flammable Limits LEL

1.0%

Flammable Limits UEL

12.8%

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 oxidisers, heat and sources of ignition.

Hazardous**Decomposition****Products**

Oxides of carbon are potential combustion products.

11. TOXICOLOGICAL INFORMATION

**Toxicology
Information**

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

May cause slight irritation of upper respiratory tract. Caution: contains asphyxiant. Prolonged or repeated exposure may lead to onset of chronic effects.

Ingestion

Do not ingest.

Skin

Prolonged exposure may irritate skin.
SKIN ABSORPTION: No acute effects expected.

Eye

May cause eye irritation.

Chronic Effects

Reports have associated repeated or prolonged overexposure to solvents with permanent brain and nervous system damage.

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 product does fall under current EPA RCRA definitions of hazardous waste with designation D001 because of its ignitability if the product is disposed of in its original form.

GENERAL DISPOSAL CONSIDERATIONS:

Dispose of in accordance with local, state and federal regulations. Approved method consists of collecting aerosols at a central location and disposal by qualified personnel in a trash compactor type unit rated safe for aerosols.

14. TRANSPORT INFORMATION

U.N. Number

1950

Proper Shipping Name

AEROSOLS

DG Class

2.1

Packaging Method

5.9.2

EPG Number

2D1

IERG Number

49

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)

IMPORTANT DISCLAIMER

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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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