

Material Safety Data Sheet

Infosafe No. 8AF7U Issue Date: September 2001 ISSUED by CASTROL
Product Name: **CASTROL OPTIMOL VISCOGEN KL 23**

Not classified as hazardous according to criteria of NOHSC

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Product Name

CASTROL OPTIMOL VISCOGEN KL 23

Product Code

65023A

Product Use

See Product 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 29 CFR 1910.1000 (subpart z) and OSHA CFR 29 1910.1200 or NJ Right-to-Know (NJAC 8:59). 313 Listed Chemicals

If none listed here, there are no 313 chemicals present above threshold value. If applicable, the exposure limits listed are found in the ACGIH TLV guide for TWA unless otherwise noted.

Ingredients	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
	Butane	106-97-8	40-45 %
	Propane	74-98-6	5-10 %

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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

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.

5. FIRE FIGHTING MEASURES

Extinguishing Media

Carbon dioxide, dry chemical, foam.

Specific Methods

Treat as mineral oil fire. 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 carbon, nitrogen, and sulfur.

6. ACCIDENTAL RELEASE MEASURES

Other Information

Recover free liquid or absorb spill with inert material (e.g. dry sand or earth), then place in chemical waste container. Keep product 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

Wash contaminated clothing before reuse. Do not taken 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	Name	mg/m ³ (STEL)	ppm (STEL)	mg/m ³ (TWA)	ppm (TWA)	TWA <u>Footnote</u>
	Butane			1,900	800	

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

Transparent green liquid, mild odour.

Melting Point

4°C

Boiling Point

Not determined

Solubility in Water

Insoluble

Specific Gravity (H₂O=1)

at 15°C (H₂O=1): 0.9540

pH Value

Product Name : CASTROL OPTIMOL VISCOGEN KL 23

Not applicable

Vapour Pressure

(mm Hg): <0.1 mbar @ 20°C

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

230°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**

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Potential combustion products are carbon, nitrogen, and sulfur.

11. TOXICOLOGICAL INFORMATION

Toxicology Information

Oral LD50 not established.

ALKANOLAMINE:

This product contains an alkanolamine. In all metalworking fluids containing amines, there is a potential for forming nitrosamines which are animal carcinogens. Therefore, no nitrites or related nitrosating agents should be added to such compositions.

Inhalation

TLV/PEL for product not established. May cause slight irritation of upper respiratory tract.

Ingestion

Do not ingest.

Skin

Prolonged exposure may irritate skin.

SKIN ABSORPTION: No acute effects expected.

Eye

May cause eye irritation.

Chronic Effects

A review of the literature does not show obvious long term hazard.

Carcinogenicity

No component known to be present in this product at >0.1% is presently listed as a carcinogen by IARC, NTP or OSHA unless otherwise noted.

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 as purchased does not fall under current U.S. EPA RCRA definitions of hazardous waste. Under RCRA it is the generator's responsibility to determine the status of the waste at the time of its disposal.

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

U.N. Number

None Allocated

Proper Shipping Name

None Allocated

DG Class

None Allocated

Hazchem Code

None Allocated

Packing GroupNone Allocated

15. REGULATORY INFORMATION

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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