

# Material Safety Data Sheet

Infosafe No. ACQQP Issue Date: May 2003 ISSUED by CASTROL  
Product Name: VITALUBE AHS 46

Not classified as hazardous according to criteria of NOHSC

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## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

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**Product Name**

VITALUBE AHS 46

**Product Code**

116446

**Product Use**

Food grade hydraulic oil.

**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)

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## 2. COMPOSITION/INFORMATION ON INGREDIENTS

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**Information on  
Composition**

Lubricant based on synthetic hydrocarbon base oils and additives.

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

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## 3. HAZARDS IDENTIFICATION

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## 4. FIRST AID MEASURES

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**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 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.

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**5. FIRE FIGHTING MEASURES**

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**Extinguishing Media**

Carbon dioxide, dry chemical, or foam.

Do NOT use water jets. Cool fire exposed containers with water spray.

**Specific Methods**

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

**Specific Hazards**

Combustible substance. Fire-exposed container may rupture/explode.

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**6. ACCIDENTAL RELEASE MEASURES**

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**Other Information**

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.

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## 7. HANDLING AND STORAGE

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### 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 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 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.

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## 8. EXPOSURE CONTROLS, PERSONAL PROTECTION

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### Exposure Limits

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 <sup>3</sup>	ppm	mg/m <sup>3</sup>
Oil mist, mineral	-	5	-	10

### Respiratory Protection

Avoid breathing of vapours, mists or spray. Under conditions of use 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.

Please note: Where Hydrogen fluoride may be present, extra attention must be given to the selection of respiratory protection.

#### **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 such as neoprene or nitrile recommended.

#### **Body Protection**

PVC or nitrile apron where clothing is likely to be contaminated.

#### **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.

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## **9. PHYSICAL AND CHEMICAL PROPERTIES**

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#### **Appearance**

Clear straw coloured oil.

#### **Melting Point**

Not available

#### **Boiling Point**

Not available

#### **Solubility in Water**

Insoluble

#### **Specific Gravity**

(H<sub>2</sub>O=1)

0.85

#### **pH Value**

Not applicable

#### **Vapour Pressure**

Not available

#### **Viscosity**

44-49cSt @ 40°C

#### **Flash Point**

200°C (Closed Cup)

#### **Flammability**

Combustible substance. Remove all sources of heat and ignition.

#### **Ignition Temperature**

Not available

#### **Flammable Limits LEL**

Not available

**Flammable Limits UEL**

Not available

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**10. STABILITY AND REACTIVITY**

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**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.

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**11. TOXICOLOGICAL INFORMATION**

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**Toxicology  
Information**

This product contains synthetic base oils not refined from petroleum base stocks. Process conditions, chemical analysis and results of mutagenicity tests all support that these oils should not cause skin cancer.

**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 to the mouth, oesophagus and stomach. Symptoms may include nausea, vomiting and diarrhoea.

**Skin**

Unlikely to irritate on brief contact. Repeated or prolonged contact may dry and defat the skin, resulting in skin irritation and possible dermatitis.

**Eye**

May cause slight to moderate transient eye irritation, resulting in redness, stinging and lachrymation.

**Chronic Effects**

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

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**12. ECOLOGICAL INFORMATION**

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**Environ. Protection**

Prevent this material from entering the environment.

**Other Information**

No specific ecological data available for this product.

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**13. DISPOSAL CONSIDERATIONS**

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**Waste Disposal**

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

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**14. TRANSPORT INFORMATION**

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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

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**15. REGULATORY INFORMATION**

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**Poisons Schedule**

Not Scheduled

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**16. OTHER INFORMATION**

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**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

**...End Of MSDS...**