

Material Safety Data Sheet



ULTRA-DUTY GREASE

Infosafe™ AMQ10 Issue Date November 2006 Status ISSUED by BS: 1.10.9
No. CALTEX

Not classified as hazardous according to criteria of NOHSC

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name ULTRA-DUTY GREASE
Product Code 1076
Company Name Caltex Australia Petroleum Pty Ltd (ABN 17 000 032 128)
Address 2 Market Street, Sydney
NSW 2000
Emergency Tel. 1800 033 111
Telephone/Fax Number Tel: (02) 9250 5000
Fax: (02) 9250 5742
Recommended Use Grease.
Other Names None Listed

2. HAZARDS IDENTIFICATION

Hazard Classification NON-HAZARDOUS SUBSTANCE.
NON-DANGEROUS GOODS.

Hazard classification according to the criteria of NOHSC.
Dangerous goods classification according to the Australia
Dangerous Goods Code.

Risk Phrase(s) R52/53 Harmful to aquatic organisms, may cause long-term adverse
effects in the aquatic environment.

Safety Phrase(s) S29 Do not empty into drains.
S61 Avoid release to the environment. Refer to special instructions/safety data sheet.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	Name	CAS	Proportion
	Zinc dialkyl dithiophosphate	68649-42-3	0-5 %
	Ingredients determined not to be hazardous	-	60-100 %

4. FIRST AID MEASURES

Inhalation	If inhaled, remove from contaminated area. Apply artificial respiration if not breathing. If symptoms develop seek medical attention.
Ingestion	DO NOT induce vomiting. Wash out mouth with water. Seek medical attention.
Skin	Wash affected area thoroughly with soap and water. If symptoms develop seek medical attention.
Eye	If contact with the eye(s) occurs, wash with copious amounts of water holding eyelid(s) open. Take care not to rinse contaminated water into the non-affected eye. If symptoms persist seek medical attention.
First Aid Facilities	Normal washroom facilities.
Advice to Doctor	Treat symptomatically. In an accident involving high-pressure equipment, this product may be injected under the skin. Such an accident may result in a small, sometimes bloodless, puncture wound. However, because of its driving force, material injected into a fingertip can be deposited into the palm of the hand. Within 24 hours, there is usually a great deal of swelling, discoloration, and intense throbbing pain. Immediate treatment at a surgical emergency center is recommended.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media	Water fog, foam, carbon dioxide or dry chemical powder.
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Hazards from Combustion Products Under fire conditions this product may emit toxic and/or irritating fumes including carbon monoxide and carbon dioxide.

Special Protective Equipment for fire fighters Fire fighters should wear full protective clothing and self-contained breathing apparatus.

Specific Hazards Combustible.

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures Slippery when spilt, avoid accidents, clean up immediately. Wear protective clothing to minimise skin and eye exposure. If possible contain the spill. Place inert non-combustible absorbent onto material or use pumping. Collect the material and place into a suitable labelled container. Do not dilute material but contain. Mop up the remaining material and place into the same container. If this material enters the waterways contact the Environmental Protection Authority, or your local Waste Management Authority.

7. HANDLING AND STORAGE

Precautions for Safe Handling Use in a well ventilated area. DO NOT store or use in confined spaces. Build up of mists or vapours in the atmosphere must be prevented. Avoid breathing in spray or mists or vapours. Do not use near welding or other ignition sources and avoid sparks. Do not smoke. Exposure without protection should be prevented in order to lessen the possibility of skin disorders. It is essential that all who come into contact with this material maintain high standards of personal hygiene ie. washing hands prior to eating, drinking, smoking or using toilet facilities.

Conditions for Safe Storage Store in a cool, dry well-ventilated area away from heat, sources of ignition, oxidising agents, foodstuffs, and clothing and out of direct sunlight. Keep containers closed when not in use and securely sealed and protected against physical damage. Inspect regularly for deficiencies such as damage or leaks. Do NOT pressurise, cut, heat or weld containers as they may contain hazardous residues. For information on the design of the storeroom, reference should be made to Australian Standard AS1940 - The storage and handling of flammable and combustible liquids. Reference should also be made to all State and Federal regulations.

Other Information Container is not designed to contain pressure. Do not use pressure to empty container or it may rupture with explosive force. They may explode and cause injury or death. Empty containers should be completely drained, properly closed, and promptly returned to a drum reconditioner or disposed of properly.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards	No exposure limits have been established for this material by the National Occupational Health And Safety Commission (NOHSC).
Biological Limit Values	No biological limit allocated.
Engineering Controls	Use with good general ventilation. If mists or vapours are produced local exhaust ventilation should be used.
Respiratory Protection	If engineering controls are not effective in controlling airborne exposure then respiratory protective equipment should be used suitable for protecting against airborne contaminants. 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 with side shields, goggles or full-face shield as appropriate recommended. Final choice of appropriate eye/face protection will vary according to individual circumstances i.e. methods of handling or engineering controls and according to risk assessments undertaken. Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.
Hand Protection	Wear gloves of impervious material such as Neoprene, Nitrile Rubber, Silver Shield, Viton gloves. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken. Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.
Body Protection	Wear appropriate clothing including chemical resistant apron where clothing is likely to be contaminated.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Red, semi-solid.
Odour	Petroleum odour.
Melting Point	165°C (Min)
Boiling Point	> 260°C
Solubility in Water	Insoluble

Solubility in Organic Solvents Soluble in hydrocarbons.

Specific Gravity Not available.

pH Value Not applicable.

Vapour Pressure < 0.01 mmHg @ 100°C

Vapour Density (Air=1) > 1

Flash Point > 200°C (cleveland open cup)

Flammability Combustible.

Auto-Ignition Temperature Not available.

Flammable Limits - Lower Not available.

Flammable Limits - Upper Not available.

10. STABILITY AND REACTIVITY

Chemical Stability Stable under normal conditions.

Conditions to Avoid Extremes of temperature and direct sunlight.

Incompatible Materials Strong acids and strong oxidising agents,

Hazardous Decomposition Products None known.

Hazardous Polymerization Will not occur.

11. TOXICOLOGICAL INFORMATION

Toxicology Information Acute toxicity:
LD50 (rat): > 2 g/kg
Draize, mean score in rabbits, eye irritation (24hr): 6.7/110
Skin, primary irritation score (PIS), rabbits, 0.6/8.0

Inhalation Inhalation of product vapours may cause irritation of the nose, throat and respiratory system.

Ingestion	Ingestion of this product may irritate the gastric tract causing nausea and vomiting.
Skin	May cause redness, itching and irritation.
Eye	May cause eye irritation, tearing, stinging, blurred vision, and redness.
Chronic Effects	Not available.
Carcinogenicity	Not classified as carcinogenic according to NOHSC and IARC.

12. ECOLOGICAL INFORMATION

Ecotoxicity	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Persistence / Degradability	Not expected to be readily biodegradable.
Mobility	Not available.
Environment Protection	Do not allow product to enter drains, waterways or sewers.

13. DISPOSAL CONSIDERATIONS

Disposal Considerations	Dispose of waste, according to federal, EPA and state regulations.
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14. TRANSPORT INFORMATION

Transport Information	Not classified as a Dangerous Good, according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.
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15. REGULATORY INFORMATION

Poisons Schedule Not Scheduled

16. OTHER INFORMATION

Date of preparation or

last revision of MSDS Reviewed: November 2006
MSDS MSDS created: November 2001

Contact CHEMICAL EMERGENCIES: 1 800 033 111
Person/Point TECHNICAL ADVICE: 1300 364 169
Health & Safety Advisor
Tel: (02) 9250 5822 and (02) 9250 5734

PLEASE NOTE that although every care has been taken in compiling the above information, it is solely reliant upon data available to us at the date hereof. We believe the data to be correct, however for the reason just stated we are not in a position to warrant its accuracy. With that in mind and given that the full range of possibilities and conditions under which the information may be applied simply cannot be anticipated, YOU ARE CAUTIONED to make your own determinations as to the veracity and the suitability of the information to the particular circumstances that apply, or may apply, to you from time to time. Consistent with that approach it is recommended that where you have a particular purpose which would necessitate a reliance on information of the nature herein you obtain your own independent expert advice particularly structured to the relevant purpose. If this material is printed, circulated, distributed or copied in any manner, it is not to be modified without prior written permission, and further, it is to include the wording of the above disclaimer.

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