



# Material Safety Data Sheet



## THUBAN GL5 EP SAE 80W-90

**Infosafe™** JAC1Z      **Issue**      March 2009      **Status** ISSUED by      **BS:**  
**No.**                              **Date**                              CALTEX                              1.9.46

**Not classified as hazardous according to criteria of  
NOHSC**

### 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product Name**      THUBAN GL5 EP SAE 80W-90

**Product Code**      2116

**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**      Tel: (02) 9250 5000  
**Number**                      Fax: (02) 9250 5742

**Recommended**  
**Use**                              Automotive gear oil

**Other Names**        None Listed

### 2. HAZARDS IDENTIFICATION

**Hazard**                      Not classified as hazardous according to the criteria  
**Classification**              of NOHSC.  
Not classified as dangerous goods according to the ADG  
Code.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

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**Information on Composition** A blend of severely solvent refined base oils together with proprietary performance additives.

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

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#### 4. FIRST AID MEASURES

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<b>Inhalation</b>	If inhaled, remove affected person from contaminated area. Keep at rest until recovered. If symptoms persist seek medical attention.
<b>Ingestion</b>	Do not induce vomiting. Wash out mouth thoroughly with water. If symptoms develop seek medical attention.
<b>Skin</b>	If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Wash contaminated clothing before re-use. If irritation occurs seek medical advice.
<b>Eye</b>	If in eyes, hold eyelids apart and flush the eyes continuously with running water. Continue flushing for several minutes until all contaminants are washed out completely. If symptoms develop and persist seek medical attention.
<b>First Aid Facilities</b>	Eye wash and normal wash room facilities.
<b>Advice to Doctor</b>	Treat symptomatically.

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#### 5. FIRE FIGHTING MEASURES

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<b>Suitable Extinguishing Media</b>	Use water fog, dry chemical, fine water spray.
<b>Hazards from Combustion Products</b>	Under fire conditions this product may emit toxic and/or irritating fumes and gases including carbon monoxide and carbon dioxide.
<b>Specific Hazards</b>	Classified as a Class C2 (COMBUSTIBLE LIQUID).
<b>Precautions in connection with Fire</b>	Fire fighters should wear Self-Contained Breathing Apparatus (SCBA) operated in positive pressure mode and full protective clothing to prevent exposure to vapours or fumes. Water spray may be used to cool down heat-exposed containers.

**Unsuitable  
Extinguishing  
Media** Water jet

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## 6. ACCIDENTAL RELEASE MEASURES

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**Emergency  
Procedures** Wear appropriate personal protective equipment and clothing to prevent exposure. Extinguish or remove all sources of ignition and stop leak if safe to do so. Increase ventilation. Evacuate all unprotected personnel. If possible contain the spill. Place inert absorbent, non-combustible material onto spillage. Use clean non-sparking tools to collect the material and place into suitable labelled containers for subsequent recycling or disposal. Dispose of waste according to the applicable local and national regulations. If contamination of sewers or waterways occurs inform the local water authorities and EPA in accordance with local regulations.

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## 7. HANDLING AND STORAGE

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**Precautions  
for Safe  
Handling** Use only in a well ventilated area. Keep containers sealed when not in use. Prevent the build up of mists or vapours in the work atmosphere. Avoid inhalation of vapours and mists, and skin or eye contact. Do not use near ignition sources. Do not pressurise, cut, heat or weld containers as they may contain hazardous residues. 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 sources of ignition, oxidising agents, strong acids, foodstuffs, and clothing. Keep containers closed when not in use and securely sealed and protected against physical damage. Inspect regularly for deficiencies such as damage or leaks. Have appropriate fire extinguishers available in and near the storage area. Take precautions against static electricity discharges. Use proper grounding procedures. 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 applicable local and national regulations.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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**National  
Exposure  
Standards** No exposure standards have been established for this material, however, the TWA National Occupational Health And Safety Commission (NOHSC) exposure standards for oil mist is 5 mg/m<sup>3</sup>. As with all chemicals, exposure should be kept to the lowest possible levels.

TWA (Time Weighted Average): The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day week.

**Biological**

**Limit Values** No biological limit allocated.

**Engineering Controls**

Provide sufficient ventilation to keep airborne levels below the exposure limit. Where vapours or mists are generated, particularly in enclosed areas, and natural ventilation is inadequate, a local exhaust ventilation system is required.

**Respiratory Protection**

If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable mist filter should be used. Reference should be made to Australian/New Zealand Standards AS/NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.

**Eye Protection** Safety glasses with side shields or goggles should be worn. Final choice of appropriate eye/face protection will vary according to individual circumstances. This can include methods of handling, and engineering controls as determined by appropriate risk assessments. Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.

**Hand Protection**

Wear gloves of impervious material conforming to AS/NZS 2161: Occupational protective gloves - Selection, use and maintenance. Final choice of appropriate glove type will vary according to individual circumstances. This can include methods of handling, and engineering controls as determined by appropriate risk assessments.

**Body Protection**

Suitable workwear should be worn to protect personal clothing, eg cotton overalls buttoned at neck and wrist. When large quantities are handled the use of plastic aprons and rubber boots is recommended. Industrial clothing should conform to the specifications detailed in AS 2919: Industrial clothing.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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**Appearance** Brown liquid.

**Odour** Petroleum odour

**Melting Point** -30°C

**Boiling Point** Not Available

**Solubility in Water** Not soluble

**Specific Gravity** 0.90 at 15°C

**pH Value** Not Applicable

**Vapour Pressure** Not Available

**Vapour Density (Air=1)** Not Available

**Viscosity** 140 cSt at 40°C  
15 cSt at 100°C

**Flash Point** >165°C

**Flammability** Class C2 Combustible liquid.

**Auto-Ignition Temperature** Not Available

**Flammable Limits - Lower** Not Available

**Flammable Limits - Upper** Not Available

**Other Information**

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## 10. STABILITY AND REACTIVITY

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**Chemical Stability** Stable under normal storage and handling conditions.

**Conditions to Avoid** Extremes of temperature, flames and sources of ignition

**Incompatible Materials** Strong oxidising agents.

**Hazardous Decomposition Products** Thermal decomposition may result in the release of toxic and/or irritating fumes including carbon monoxide and carbon dioxide.

**Hazardous Reactions**

**Hazardous Polymerization** Will not occur.

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## 11. TOXICOLOGICAL INFORMATION

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<b>Toxicology Information</b>	No acute toxicity data available.
<b>Inhalation</b>	Inhalation of vapours or mists may cause respiratory system irritation including sneezing, coughing and breathing difficulties.
<b>Ingestion</b>	May cause irritation of the gastrointestinal tract with nausea, vomiting and diarrhoea.
<b>Skin</b>	May cause irritation to skin. Repeated or prolonged contact may dry and defat the skin, resulting in skin irritation and possible dermatitis.
<b>Eye</b>	Eye contact may cause slight to moderate eye irritation, symptoms including redness, excessive tearing, stinging and swelling.
<b>Chronic Effects</b>	Prolonged or repeated contact may result in skin irritation leading to dermatitis.

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## 12. ECOLOGICAL INFORMATION

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<b>Ecotoxicity</b>	Not available
<b>Persistence / Degradability</b>	Product is inherently biodegradable.
<b>Mobility</b>	Not available
<b>Environment Protection</b>	This material may present environmental risks common to oil spills. Prevent material from entering the environment.

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## 13. DISPOSAL CONSIDERATIONS

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<b>Disposal Considerations</b>	Dispose of waste according to applicable local and national regulations.
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## 14. TRANSPORT INFORMATION

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<b>Transport Information</b>	Not classified as a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.
<b>Storage and Transport</b>	.

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## 15. REGULATORY INFORMATION

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<b>Regulatory Information</b>	Not classified as Hazardous according to criteria of National Occupational Health & Safety Commission
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(NOHSC), Australia.  
Not classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP).

**Poisons  
Schedule**

Not Scheduled

**AICS  
(Australia)**

All components of this product are listed on the Australian Inventory of Chemical Substances (AICS).

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## 16. OTHER INFORMATION

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**Date of  
preparation or  
last revision  
of MSDS**

MSDS reviewed: March 2009  
MSDS supersedes: June 2004

**Contact  
Person/Point**

CHEMICAL EMERGENCIES: 1 800 033 111  
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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End of MSDS

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