

# Material Safety Data Sheet

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Infosafe No™ 5FUX9 Issue Date : August 2007 ISSUED by FUCHS

Product Name : ISUZU DIESEL GOLD 15W40 CG-4

Not classified as hazardous

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product Name** ISUZU DIESEL GOLD 15W40 CG-4  
**Product Code** 3904  
**Company Name** ISUZU Australia Limited (ABN 97 006 962 572)  
**Address** 858 Lorimer Street Port Melbourne  
VIC 3207 Australia  
**Emergency Tel.** 1800 638 556 (24hr AUST), 0800 154 166 (24hr NZ).  
**Telephone/Fax Number** Tel: 03-96446666  
Fax: 03-96446622  
**Recommended Use** Supplied as a high performance diesel and petrol engine lubricant for use in suitable applications only.  
**Additional Information** Refer to Product Information Sheet for further information.

## 2. HAZARDS IDENTIFICATION

**Hazard Classification** Not classified as hazardous  
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)** Not classified as hazardous

**Irritancy of Product** Not classified as an irritant.

**Sensitization of Product** Not known to be a sensitiser.

**Teratogenicity** No teratogenic effects known.

**Other Information** Used oils may contain harmful impurities that have accumulated during use. The concentration of such impurities will depend on use and they may present risks to health and environment on disposal. All used oils should be handled with caution and skin contact avoided as far as possible.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Chemical Characterization** Liquid

<b>Ingredients</b>	<b>Name</b>	<b>CAS</b>	<b>Proportion</b>	<b>Hazard Symbol</b>	<b>Risk Phrase</b>
	Mineral Oil	Not required	70-100 %		
	Zinc alkyldithiophosphate	Confidential	0-4.99 %	Xi	R38, R41
	Alkyl phenol	Confidential	0-0.99 %	Xn, Xi	R38, R62
	Zinc dialkylthiophosphate	68649-42-3	0-0.99 %	Xi, N	R36, R38, R51/53
	Ingredients determined not to be hazardous	Mixture	To 100%		

**Other Information** The petroleum oils in this product contain less than 3% DMSO extract as measured by the IP 346 test method.

## 4. FIRST AID MEASURES

**Inhalation** Remove victim from exposure - avoid becoming a casualty. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical advice if effects persist. If breathing laboured and patient cyanotic (blue), ensure airways are clear and have qualified person give oxygen through a face mask. If breathing has stopped apply artificial respiration at once. In the event of cardiac arrest, apply external cardiac massage.

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<b>Ingestion</b>	Give water to drink. DO NOT induce vomiting. Seek medical attention. If vomiting occurs get immediate medical attention due to aspiration risk.
<b>Skin</b>	Wash with plenty of soap and water. If irritation occurs seek medical advice. Remove contaminated clothing and wash before re-use.
<b>Eye</b>	Immediately irrigate with copious quantity of water for at least 15 minutes. Eyelids to be held open. In all cases of eye contamination it is a sensible precaution to seek medical advice.
<b>First Aid Facilities</b>	Normal washroom facilities are generally suitable. Ensure an eyewash station and safety shower are available and ready for use.
<b>Advice to Doctor</b>	Treat symptomatically.
<b>Other Information</b>	Keep water and mild soap near work site.

## 5. FIRE FIGHTING MEASURES

<b>Suitable Extinguishing Media</b>	Extinguish fire with the following: Use CO2, dry chemical or foam.
<b>Hazards from Combustion Products</b>	Combustion products may include: a complex mixture of airborne solid and liquid particulates and gases, including carbon monoxide, carbon dioxide, soot, oxides of sulfur, and unidentified organic and inorganic compounds.
<b>Specific Methods</b>	Fire fighters to wear self-contained breathing apparatus if risk of exposure to products of decomposition.
<b>Specific Hazards</b>	Low hazard
<b>Precautions in connection with Fire</b>	If safe to do so, remove containers from path of fire. Keep containers cool with water spray. Avoid spreading liquid and fire by water flooding.

## 6. ACCIDENTAL RELEASE MEASURES

<b>Spills &amp; Disposal</b>	Slippery when spilt. Avoid accidents, clean up immediately. CLEAN-UP METHODS - SMALL SPILLAGE (20L or less): Absorb or contain liquid with sand, earth or spill control material. Shovel up using non sparking tools and place in a labelled, sealable container for subsequent safe disposal. Put leaking containers in a labelled drum or overdrum. Scrub contaminated surfaces with detergent solution. Retain washings as contaminated waste. CLEAN-UP METHODS - LARGE SPILLAGE (more than 20L): Transfer to a labelled, sealable container for product recovery or safe disposal. Treat residues as for small spillage. Dispose according to local regulations. PERSONAL PRECAUTIONS: Extinguish naked flames. Remove ignition sources. No smoking. Avoid sparks. Evacuate the area of all non-essential personnel. Take precautionary measures against static discharge. Shut off leaks, if possible without personal risk. Avoid contact with skin, eyes, clothing. Do not breathe vapour. Ventilate contaminated area thoroughly.
<b>Other Information</b>	Dispose according to local regulations. PROCEDURES IN CASE OF BREAKAGE OR LEAKAGE: Stop the source of the leak or release and contain spill if possible. Ventilate area. Use respirator and protective clothing as discussed in this MSDS. Cover spill with a generous amount of inert absorbent. Use a stiff broom to mix thoroughly. Sweep up and place in a labelled disposable container. Scrub contaminated area with detergent and water using a stiff broom. Pick up liquid with additional absorbent and place in a labelled disposable container. Prevent contamination of groundwater or surface water.

## 7. HANDLING AND STORAGE

<b>Precautions for Safe Handling</b>	When handling product in drums, safety footwear should be worn and proper handling equipment should be used. Prevent spillages. Ensure the appropriate personal protective equipment is used when handling this material.
<b>Conditions for Safe Storage</b>	Keep containers closed at all times. Store in cool place and out of direct sunlight. Store away from oxidizing agents. Check containers regularly for leaks.
<b>Corrosiveness</b>	Not corrosive
<b>Storage Regulations</b>	Store in a well-ventilated place away from ignition sources, oxidising agents, foodstuffs and clothing. Keep containers closed when not in use. Refer to AS 1940 The Storage and Handling of Flammable and Combustible

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Liquids, and NOHSC:1015 National Standard for Storage and Handling of Workplace Dangerous Goods for further information.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>National Exposure Standards</b>	No exposure standard has been established for this product. NOHSC Exposure Standard: Oil mists - time weighted average (TWA) 5 mg/m <sup>3</sup> and a short term exposure limit (STEL) 10mg/m <sup>3</sup> is recommended.
<b>Other Exposure Information</b>	Exposure Standard means the average concentration of a particular substance in the worker's breathing zone, exposure to which, according to current knowledge, should not cause adverse health effects nor cause undue discomfort to nearly all workers. It can be of three forms; time-weighted average (TWA), peak limitation, or short term exposure limit (STEL).
<b>Engineering Controls</b>	Maintain concentration below recommended exposure limit. Special ventilation is not normally required due to the low volatility of the product at normal temperatures. However, in the operation of certain equipment or at elevated temperatures, mists or vapour may be generated and exhaust ventilation should be provided to maintain airborne concentration levels below the exposure standard or where no exposure standard is allocated, as low as is reasonably practicable.
<b>Respiratory Protection</b>	Respirator not normally required. Airborne concentrations should be kept to lowest levels possible. If vapour, mist or dust is generated and the occupational exposure limit of the product is exceeded, use appropriate AS/NZS 1715/1716 approved half-face filter respirator suitable for organic vapours or air supplied respirator after determining the airborne concentration of the contaminant. Air supplied respirators should always be worn when airborne concentration of the contaminant or oxygen content of the air is unknown.
<b>Eye Protection</b>	Safety glasses, goggles or faceshield as appropriate.
<b>Hand Protection</b>	PVC gloves.
<b>Footwear</b>	Enclosed footwear.
<b>Body Protection</b>	Overalls or similar protective apparel.
<b>Hygiene Measures</b>	Always wash hands before smoking, eating, drinking or using the toilet. If contamination occurs, change clothing. Discard internally contaminated gloves and footwear. Launder contaminated clothing before reuse.
<b>Special Protective Measures</b>	Will not burn unless preheated. Isolate from sources of heat, naked flame, or sparks.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Form</b>	Liquid
<b>Appearance</b>	Dark amber liquid
<b>Odour</b>	Mild
<b>Melting Point</b>	Less than 0°C
<b>Boiling Point</b>	Greater than 300°C
<b>Solubility in Water</b>	Not soluble
<b>Solubility in Organic Solvents</b>	Soluble in petroleum solvents
<b>pH Value</b>	Not relevant
<b>Vapour Pressure</b>	Less than 0.1 kPa
<b>Vapour Density (Air=1)</b>	Greater than 2.0 (Air = 1)
<b>Evaporation Rate</b>	Less than 1 (n-butyl acetate = 1)
<b>Viscosity</b>	Approximately 110 mm <sup>2</sup> /s @ 40°C (kinematic)
<b>Colour</b>	Clear amber/brown
<b>Density</b>	0.885 kg/L @ 15°C typical

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<b>Flash Point</b>	Greater than 180.0 °C (PMCC)
<b>Flammability</b>	Combustible liquid C2 according to AS 1940.
<b>Auto-Ignition Temperature</b>	Greater than 250°C
<b>Flammable Limits - Lower</b>	Approximately 1.5%
<b>Flammable Limits - Upper</b>	Approximately 6.0%
<b>Explosion Properties</b>	Not considered an explosion risk under normal conditions of use
<b>Other Information</b>	These physical data and other properties do not constitute a specification

## 10. STABILITY AND REACTIVITY

<b>Chemical Stability</b>	Stable under normal conditions of use
<b>Incompatible Materials</b>	Strong oxidising agents
<b>Hazardous Reactions</b>	Will react with strong oxidising agents.
<b>Hazardous Polymerization</b>	Will not occur

## 11. TOXICOLOGICAL INFORMATION

<b>Toxicology Information</b>	This product contains petroleum base oils which may be refined by various processes including severe solvent extraction, hydrocracking and hydrotreating. These oils have not been listed in the U.S. National Toxicology Program (NTP) Annual Report nor have they been classified by the International Agency for Research on Cancer (IARC) as carcinogenic or probably carcinogenic to humans. Oral LD50 (UD01): (UD02) mg/kg
<b>Inhalation</b>	Inhalation of mists or aerosols can produce respiratory irritation.
<b>Ingestion</b>	May cause mild irritation of the mouth, throat, and stomach with nausea and mild diarrhoea. Large amounts can cause vomiting which can lead to aspiration of vomited material into the lungs.
<b>Skin</b>	Will have a defatting effect on the skin. Contact with skin may result in irritation.
<b>Eye</b>	May cause watering of eyes.
<b>Chronic Effects</b>	Prolonged or repeated exposure may result in irritation, with the possibility of dermatitis
<b>Reproductive Toxicity</b>	Reproductive toxicity not expected.
<b>Mutagenicity</b>	Mutagenic effects not known.
<b>Carcinogenicity</b>	Product is not a known carcinogen.

## 12. ECOLOGICAL INFORMATION

<b>Short Summary of Assessment of Environmental Impact</b>	Leaching and penetration through surface soils is generally regarded as resulting in long-term persistence. Fresh or used product may be harmful to aquatic life.
<b>Environ. Protection</b>	Do not allow material to enter drains or waterways.

## 13. DISPOSAL CONSIDERATIONS

## 14. TRANSPORT INFORMATION

<b>Transport Information</b>	Not regulated for transport.
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## 15. REGULATORY INFORMATION

<b>Poisons Schedule</b>	Not Scheduled
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**Packaging & Labelling**

No special packaging or labelling requirements.

**16. OTHER INFORMATION**

**Literature References**

- \* NOHSC:2011 National Code of Practice for the Preparation of Material Safety Data Sheets
- \* NOHSC:1008 Approved Criteria for Classifying Hazardous Substances
- \* NOHSC:10005 List of Designated Hazardous Substances
- \* NOHSC:1005 Control of Workplace Hazardous Substances, National Model Regulations
- \* NOHSC:2007 Control of Workplace Hazardous Substances, National Code of Practice
- \* NOHSC:1003 Exposure Standards for Atmospheric Contaminants in the Occupational Environment, National Exposure Standards
- \* NOHSC:3008 Exposure Standards for Atmospheric Contaminants in the Occupational Environment, Guidance Note
- \* NOHSC:1015 Storage and Handling of Workplace Dangerous Goods, National Standard
- \* NOHSC:2017 Storage and Handling of Workplace Dangerous Goods, National Code of Practice
- \* SUSDP, Standard for the Uniform Scheduling of Drugs and Poisons
- \* ADG, Australian Dangerous Goods Code
- \* MSDS of component materials

**Last Change**

Supersedes issue date:  
Reason/s for revision: Alignment to NOHSC requirements.  
...End Of MSDS...

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