

# SAFETY DATA SHEET

According to Work Health and Safety Regulations 2011 and National Model Code of Practice for the preparation of Safety Data Sheets for Hazardous Chemicals

Version 1.1

Issue date: 18/09/2019

Revision date: 18/09/2019

SDS Record Number: CSSS-TCO-010-129220

## 1. Identification of the material and supplier

**Material name:** LDI Axle Gear Oil 80W90(GL-5)  
**Other Names:** -  
**Recommended use:** LDI Axle gear oil be used in the equipment for lubricating, cooling and airproofing etc.  
**Manufacturer:**  
**Supplier(Manufacturer):** SINOPEC LUBRICANT CO.,LTD  
**Address:** No. 6 Anning Zhuang West Road, Haidian District, Beijing, P.R.China  
**Contact person(E-mail):** csc.lube@sinopec.com  
**Telephone:** 86-800-810-9886  
**Fax:** 86-10-82410856  
**Emergency number:** 86-800-810-9886

**Australia Supplier(Manufacturer):** International Lubricant Distributors Pty. Ltd.  
**Address:** Level 3, 43 Kishorn Road, Applecross, 6153 Australia  
**Contact person(E-mail):** -  
**Telephone:** -  
**Fax:** +61 8 9381 1788  
**Emergency number:** 1300 558 939

**New Zealand Supplier(Manufacturer):** Waitomo Lubricants Limited (GST 104255744)  
**Address:** 15 Ellis Street, Frankton, Hamilton, PO Box 5125, Hamilton 3242  
**Telephone:** +64 7 847 0829  
**Fax:** +64 7 846 0032  
**Emergency number:** +64 7 847 0829 (24 Hrs)

**New Zealand Supplier(Manufacturer):** MTS ENERGY LTD  
**Address:** 44 Northcote Road, North Shore,Auckland 0627, New Zealand  
**Telephone:** +64 9 480 8921  
**Fax:** +64 9 480 8398  
**Emergency number:** 0800 399 993 (24 Hrs)

**New Zealand Supplier(Manufacturer):** Ixom Operations Pty Ltd (Incorporated in Australia)  
NZBN: 9429041465226  
**Address:** 166 Totara Street, Mt Maunganui South, New Zealand  
**Contact person(E-mail):** -  
**Telephone:** +64 9 368 2700  
**Fax:** +64 9 368 2710  
**Emergency number:** 0 800 734 607 (ALL HOURS)

## 2. Hazards identification

**GHS classification:**

**Physical hazards:** Not classified

Material name: LDI Axle Gear Oil 80W90(GL-5)

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<b>Health hazards:</b>	Not classified
<b>Environmental hazards:</b>	Not classified
<b>GHS label elements:</b>	
<b>Hazard Pictograms :</b>	No hazard pictogram is used.
<b>Signal word:</b>	No signal word is used.
<b>Hazard statement:</b>	Not applicable.
<b>Precautionary statement:</b>	
<b>Prevention:</b>	Not applicable.
<b>Response:</b>	Not applicable.
<b>Storage:</b>	Not applicable.
<b>Disposal:</b>	Not applicable.
<b>Specific hazards:</b>	Not applicable.

### 3. Composition/information on ingredients

Components	CAS No.	Percent
Additive	Mixture	<20%
Base oil	Mixture	80-100%

### 4. First aid measures

<b>Inhalation:</b>	Remove victim to fresh air and provide oxygen. Get medical attention.
<b>Skin:</b>	Flush skin with water, and then wash with soap and water. Get medical attention.
<b>Eye:</b>	Flush with water for 15 minutes. If irritation occurs, get medical attention.
<b>Ingestion:</b>	Do not induce vomiting. Get medical attention.
<b>Notes to physician:</b>	Treat symptomatically.

### 5. Fire-fighting measures

<b>Suitable extinguishing media:</b>	Carbon dioxide, foam, dry chemical and water fog. Extinguishing Method: spray.
<b>Extinguishing media which must not be used for safety reasons:</b>	Water.
<b>Specific hazards arising from the chemical:</b>	Fumes, smoke, carbon monoxide, sulfur oxides, aldehydes and other decomposition products, in the case of incomplete combustion.
<b>Fire Fighting:</b>	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
<b>HAZCHEM code</b>	None.

### 6. Accidental release measures

<b>Personal precautions:</b>	Wear appropriate personal protective equipment when cleaning up spills.
<b>Containment procedures:</b>	Do not let product enter drains.
<b>Methods for cleaning up:</b>	FOR LARGE SPILLS: Remove with vacuum truck or pump to storage/salvage vessels. FOR SMALL SPILLS: Soak up residue with an absorbent such as clay, sand or other suitable material. Place in non-leaking container and seal tightly for proper disposal.

### 7. Handling and storage

<b>Precautions for safe handling:</b>	Do not store in open or unlabeled containers. Store in a cool, dry place with adequate ventilation. Keep away from open flames and high temperatures.
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**Storage:** Keep the container sealed and do not store in open or unlabeled containers. Storage conditions should be cool, dry and ventilated, away from strong oxidants, fire, heat sources and flammable materials. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME.

## 8. Exposure controls/personal protection

<b>Control parameters</b>	Follow standard monitoring procedures.
<b>Occupational exposure limits</b>	No exposure limits noted for ingredient(s).
<b>Biological limit values:</b>	No biological exposure limits noted for the ingredient(s).
<b>Exposure guidelines</b>	No exposure standards allocated.
<b>Appropriate engineering controls:</b>	Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.
<b>Personal protective equipment:</b>	
<b>Eye/face protection:</b>	Chemical Goggles, or Safety glasses with side shields.
<b>Skin protection:</b>	Use protective clothing and shoes which are chemically resistant to this material.
<b>Respiratory protection:</b>	If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker health, an approved respirator must be worn.
<b>Hand protection:</b>	Use protective gloves which is chemically resistant to this material.

## 9. Physical and chemical properties

<b>Appearance:</b>	
<b>Physical state:</b>	Liquid
<b>Form:</b>	Liquid
<b>Color:</b>	Brown and transparent
<b>Odor:</b>	No peculiar smell
<b>Odour threshold:</b>	Not available
<b>PH:</b>	Not available
<b>Melting point/Freezing point:</b>	Not available
<b>Initial boiling point and boiling range:</b>	Not available
<b>Flash point:</b>	>200°C
<b>Evaporation rate:</b>	Not available
<b>Flammability (solid, gas) :</b>	Not available
<b>Upper/lower flammability or explosive limits:</b>	Not available
<b>Vapor pressure:</b>	Not available
<b>Vapor density(Air = 1):</b>	Not available
<b>Density:</b>	Not available
<b>Solubility (H<sub>2</sub>O) :</b>	Not available
<b>Partition coefficient (n-octanol/water) :</b>	Not available
<b>Auto-ignition temperature:</b>	Not available
<b>Decomposition temperature:</b>	Not available
<b>Viscosity, dynamic:</b>	Not available
<b>Organic solvents:</b>	Not available
<b>Water:</b>	Not available
<b>VOC (EC) :</b>	Not available
<b>Solids contents:</b>	Not available
<b>Molecular Formula:</b>	Not available
<b>Molecular Weight:</b>	Not available
<b>Pour Point:</b>	Not available

## 10. Stability and reactivity

<b>Reactivity:</b>	The substance is stable under normal storage and handling conditions.
<b>Chemical stability:</b>	Stable at room temperature in closed containers under normal storage and handling conditions.
<b>Possibility of hazardous reactions:</b>	No dangerous reactions known.
<b>Conditions to avoid:</b>	Extreme heat and high energy sources of ignition and strong oxidizers.
<b>Incompatible materials:</b>	Strong oxidizers.
<b>Hazardous decomposition products:</b>	Fumes, smoke, carbon monoxide, sulfur oxides, aldehydes and other decomposition products, in the case of incomplete combustion.

## 11. Toxicological information

### Toxicological data:

<b>Acute toxicity:</b>	
<b>LD50(Oral, Rat):</b>	> 5000mg/kg BW
<b>LD50(Dermal, Rabbit):</b>	Not available
<b>LC50(Inhalation, Rat):</b>	> 10000mg/m <sup>3</sup>
<b>Skin corrosion/Irritation:</b>	No data available.
<b>Serious eye damage/irritation:</b>	No data available.
<b>Respiratory or skin sensitization:</b>	No data available.
<b>Germ cell mutagenicity:</b>	No data available.
<b>Carcinogenicity:</b>	No data available.
<b>Reproductive toxicity:</b>	No data available.
<b>STOT- single exposure:</b>	No data available.
<b>STOT-repeated exposure:</b>	No data available.
<b>Aspiration hazard:</b>	No data available.
<b>Other information</b>	This product has no known adverse effect on human health.

## 12. Ecological information

### Toxicity:

Acute toxicity		Time	Species	Method	Evaluation	Remarks
LC50	N/A	96h	Fish	OECD 203	N/A	N/A
EC50	N/A	48h	Daphnia	OECD 202	N/A	N/A
EC50	N/A	72h	Algae	OECD 201	N/A	N/A

<b>Persistence and degradability:</b>	This product is expected to be inherently biodegradable.
<b>Bioaccumulative potential:</b>	Bioaccumulation is unlikely due to the very low water solubility of this product; therefore bioavailability to aquatic organisms is minimal.
<b>Mobility in soil:</b>	When released into the environment, adsorption to sediment and soil will be the predominant behavior.
<b>Other adverse effects:</b>	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

## 13. Disposal considerations

<b>Disposal methods:</b>	Collect and reclaim or dispose in sealed containers at licensed waste disposal site.
<b>Waste from residues/unused products:</b>	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
<b>Contaminated packaging:</b>	Empty containers should be taken to an approved waste handling site for recycling or

disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

## 14. Transport information

### ADG

UN number	Not regulated
Proper shipping name	Not regulated
Hazard class	Not regulated
Packing group	Not regulated
Labels required	Not regulated
Special precautions	Read safety instructions, SDS and emergency procedures before handling.

### IATA

UN number	Not regulated
Proper shipping name	Not regulated
Hazard class	Not regulated
Packing group	Not regulated
Special precautions	Read safety instructions, SDS and emergency procedures before handling.

### IMDG

UN number	Not regulated
Proper shipping name	Not regulated
Hazard class	Not regulated
Packing group	Not regulated
Environmental hazards	
Marine pollutant	No
Special precautions	Read safety instructions, SDS and emergency procedures before handling.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: Not regulated

## 15. Regulatory information

### Safety, health and environmental regulations

**National regulations** This Safety Data Sheet was prepared in accordance with Australia Model Code of Practice for the preparation of Safety Data Sheets for Hazardous Chemicals (23/12/2011).

**Australia Medicines & Poisons Appendix A/B/D/E/F/G/H/I/J/K / Australia Medicines & Poisons Schedule 2/3/4/5/6/7/8/9/10**  
Poisons schedule number not allocated.

**Australia National Pollutant Inventory (NPI): Threshold quantity**  
Not listed.

**High Volume Industrial Chemicals (HVIC)**  
Not listed.

**Importation of Ozone Depleting Substances (Customs(Prohibited imports) Regulations 1956, Schedule 10)**  
Not listed.

**National Pollutant Inventory (NPI) substance reporting list**  
Not listed.

**Prohibited Carcinogenic Substances**  
Not regulated.

**Prohibited Substances (National Model Regulation for the control of Workplace Hazardous Substances, Schedule 2 NOHSC:1005 (1994) as amended)**

Not listed.

**Restricted Importation of Organochlorine Chemicals (Customs(Prohibited Imports) Regulations 1956, Schedule 9)**  
Not listed.

**Restricted Carcinogenic Substances**

Not regulated.

**International regulations**

**Stockholm Convention**

Not applicable

**Rotterdam Convention**

Not applicable.

**Kyoto protocol**

Not applicable.

**Montreal Protocol**

Not applicable.

**Basel Convention**

Not applicable.

**Inventory status:**

<b>Country(s) or region</b>	<b>Inventory name</b>	<b>On inventory (yes/no)*</b>
Australia	Australian Inventory of Chemical Substances (AICS)	Not available
Canada	Domestic /Non-Domestic Substances List (DSL) /(NDSL)	Not available
China	Inventory of Existing Chemical Substances in China (IECSC)	Not available
Europe	European Inventory of Existing Commercial/ Notified Chemical Substances (EINECS) / (ELINCS)	Not available
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Not available
Korea	Existing Chemicals List (ECL)	Not available
New Zealand	New Zealand Inventory	Not available
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Not available
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Not available

\*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

**16. Other information**

**Indication of changes:**

Version 1.1

**Training instructions:**

Not applicable.

**Further information:**

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

**Notice to reader:**

Employers should use this information only as a supplement to other information gathered by them, and should make independent judgment of suitability of this information to ensure proper use and protect the health and safety of employees.

This information is furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.