

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

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SDS Record Number: CSSS-TCO-010-129218

1. Identification of the material and supplier

Material name: LDI Axle Gear Oil 80W/140 (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: 21 Logistics Boulevard, Kenwick, WA 6107, Australia
Contact person(E-mail): -
Telephone: -
Fax: +61 8 9381 1788
Emergency number: 1300 558 939

New Zealand Supplier(Manufacturer): MTS ENERGY LTD
Address: PO BOX 302-133 North Harbour, Auckland 0751, New Zealand
Telephone: +64 9 480 8921
Fax: +64 9 480 8398
Emergency number: 0800 399 993 (24 Hrs)

2. Hazards identification

GHS classification:

Physical hazards: Not classified
Health hazards: Not classified
Environmental hazards: Not classified

GHS label elements:

Hazard Pictograms: : No hazard pictogram is used.
Signal word: No signal word is used.
Hazard statement: Not applicable.

Precautionary statement:

Prevention: Not applicable.
Response: Not applicable.
Storage: Not applicable.
Disposal: Not applicable.

Specific hazards: Not applicable.

3. Composition/information on ingredients

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

4. First aid measures

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

5. Fire-fighting measures

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

6. Accidental release measures

Personal precautions:	Wear appropriate personal protective equipment when cleaning up spills.
Containment procedures:	Do not let product enter drains.
Methods for cleaning up:	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

Precautions for safe handling:	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.
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

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

adequate to protect worker health, an approved respirator must be worn.

Hand protection:

Use protective gloves which is chemically resistant to this material.

9. Physical and chemical properties

Appearance:

Physical state:	Liquid
Form:	Liquid
Color:	Brown and transparent
Odor:	No peculiar smell
Odour threshold:	Not available
PH:	Not available
Melting point/Freezing point:	Not available
Initial boiling point and boiling range:	Not available
Flash point:	>200°C
Evaporation rate:	Not available
Flammability (solid, gas) :	Not available
Upper/lower flammability or explosive limits:	Not available
Vapor pressure:	Not available
Vapor density(Air = 1):	Not available
Density:	Not available
Solubility (H₂O) :	Not available
Partition coefficient (n-octanol/water) :	Not available
Auto-ignition temperature:	Not available
Decomposition temperature:	Not available
Viscosity, dynamic:	Not available
Organic solvents:	Not available
Water:	Not available
VOC (EC) :	Not available
Solids contents:	Not available
Molecular Formula:	Not available
Molecular Weight:	Not available
Pour Point:	Not available

10. Stability and reactivity

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

11. Toxicological information

Toxicological data:

Acute toxicity:	
LD50(Oral, Rat):	> 5000mg/kg BW
LD50(Dermal, Rabbit):	Not available

LC50(Inhalation, Rat):	> 10000mg/m3
Skin corrosion/Irritation:	No data available.
Serious eye damage/irritation:	No data available.
Respiratory or skin sensitization:	No data available.
Germ cell mutagenicity:	No data available.
Carcinogenicity:	No data available.
Reproductive toxicity:	No data available.
STOT- single exposure:	No data available.
STOT-repeated exposure:	No data available.
Aspiration hazard:	No data available.
Other information	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

Persistence and degradability:	This product is expected to be inherently biodegradable.
Bioaccumulative potential:	Bioaccumulation is unlikely due to the very low water solubility of this product; therefore bioavailability to aquatic organisms is minimal.
Mobility in soil:	When released into the environment, adsorption to sediment and soil will be the predominant behavior.
Other adverse effects:	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

Disposal methods:	Collect and reclaim or dispose in sealed containers at licensed waste disposal site.
Waste from residues/unused products:	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).
Contaminated packaging:	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 Not regulated

of MARPOL 73/78 and the IBC Code:

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 Deleting 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:

Country(s) or region	Inventory name	On inventory (yes/no)*
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.