INDUSTRIAL LUBRICANTS & SERVICES LIMITED

SAFETY DATA SHEET

ILS AXLE DRIVE LS 80W-90

Issued Date: 05/07/2022
Issued by: Industrial Lubricants & Services Ltd
7 pages

1. IDENTIFICATION

Product Identifier
ILS AXLE DRIVE LS 80W-90

Company Name
Industrial Lubricants & Services Ltd

Address
PO Box 259 347, Botany, Manukau 2163
Auckland, New Zealand

Telephone/Fax Number
Tel: 0800 10 40 11
Fax: 0800 10 40 15

Emergency phone number
New Zealand National Poison Centre
0800 764 766

ILS Technical Helpline 0800 10 40 17

E-mail Address
orders@ils.co.nz

Recommended use of the chemical and restrictions on use
Petroleum-derived severely refined mineral-base product, in which the polycyclic aromatic hydrocarbons (PCA or PAH) content, measured by IP 346 is less than 3%

2. HAZARD IDENTIFICATION

GHS/HSNO classification of the substance/mixture

Not Classified as Hazardous according to the Hazardous Substances (Hazard Classification) Notice 2020

Not classified as Dangerous Goods for transport according to the New Zealand Standard NZS 5433:2020 Transport of Dangerous Goods on Land.

Hazard Statement (s)
S25 Avoid contact with eyes

Physical Description & Colour:
Clear yellow to amber tacky liquid

Odour:
Characteristic odour.

Major Health Hazards:
Contains sensitiser(s). May produce an allergic reaction.

Potential Health Effects
Inhalation:
Short Term Exposure:
Available data indicates that this product is not harmful. In addition product is unlikely to cause any discomfort or irritation.

Long Term Exposure:
No data for health effects associated with long term inhalation.

Skin Contact:
Short Term Exposure:
Available data indicates that this product is not harmful. It should present no hazards in normal use. In addition product is unlikely to cause any discomfort in normal use.

Long Term Exposure:
Oil blisters may develop following prolonged and repeated exposure through contact with stained clothing.

Eye Contact
Short Term Exposure:
This product may be mildly irritating to eyes, but is unlikely to cause anything more than mild discomfort which should disappear once product is removed

Long Term Exposure:
No data for health effects associated with long term eye exposure

Ingestion:
Short Term Exposure:
Significant oral exposure is considered to be unlikely. However, this product may be irritating to mucous membranes but is unlikely to cause anything more than transient discomfort.

Long Term Exposure:
Significant oral exposure is considered to be unlikely. However, this product may be irritating to mucous membranes but is unlikely to cause anything more than transient discomfort.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Name	CAS	Conc %	TWA (mg/m3)	STEL (mg/m3)
Residual oils, petroleum, solvent dewaxed	64742-62-7	30 to 60	N/A	N/A
Ingredients determined not to be hazardous	Not Required	10 to 30	N/A	N/A
Distillates, petroleum, heavy solvent-dewaxed parrafinic oil	64742-65-0	30 to 60	N/A	N/A

This is a commercial product whose exact ratio of components may vary slightly. Minor quantities of other non hazardous ingredients are also possible.
The TWA exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The STEL (Short Term Exposure Limit) is an exposure value that may be equalled (but should not be exceeded) for no longer than 15 minutes and should not be repeated more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term "peak "is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.

4. FIRST AID MEASURES

You should call The Poisons Information Centre if you feel that you may have been poisoned, burned or irritated by this product. The number is 0800 764 766 and is available at all times. Have this MSDS with you when you call.

Inhalation
First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.

Ingestion
If product is swallowed or gets in mouth, do NOT induce vomiting; wash mouth with water and give some water to drink. If symptoms develop, or if in doubt contact a Poisons Information Centre or a doctor.

Skin
Gently blot away excess liquid. Irritation is unlikely. However, if irritation does occur, flush with lukewarm, gently flowing water for 5 minutes or until chemical is removed.

Eye contact
Quickly and gently blot material from eyes. No effects expected. If irritation does occur, flush contaminated eye(s) with lukewarm, gently flowing water for 5 minutes or until the product is removed. Obtain medical advice if irritation becomes painful or lasts more than a few minutes. Take special care if exposed person is wearing contact lenses.

First Aid Facilities
Eyewash, safety shower and normal washroom facilities.

Advice to Doctor
Treat symptomatically.

Other Information
For advice in an emergency, contact a Poisons Information Centre or a doctor at once.(0800 764 766)

5. FIRE-FIGHTING MEASURES

Fire and Explosion Hazards:
The major hazard in fires is usually inhalation of heated and toxic or oxygen deficient (or both), fire gases. There is no risk of an explosion from this product under normal circumstances if it is involved in a fire. Violent steam generation or eruption may occur upon application of direct water stream on hot liquids. Vapours from this product are heavier than air and may accumulate in sumps, pits and other low-lying spaces, forming potentially explosive mixtures. They may also flash back considerable distances. Fire decomposition products from this product are likely to be irritating if inhaled.

Extinguishing Media:
Suitable extinguishing media are carbon dioxide, dry chemical, foam, water fog.

Fire Fighting:
If a significant quantity of this product is involved in a fire, call the fire brigade.

Flash point: >150°C.

Autoignition temperature:
>250°C. This temperature may be significantly lower under particular conditions (slow oxidation on finely divided materials)

Flammability Class: C2

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Emergency Procedures
Minor spills do not normally need any special cleanup measures. In the event of a major spill, prevent spillage from entering drains or water courses. As a minimum, wear overalls, goggles and gloves. Suitable materials for protective clothing include nitrile, neoprene. Eye/face protective equipment should comprise as a minimum, protective glasses and, preferably, goggles. If there is a significant chance that vapours or mists are likely to build up in the cleanup area, we recommend that you use a respirator. Usually, no respirator is necessary when using this product. However, if you have any doubts consult the Australian Standard mentioned below (section 8).
Stop leak if safe to do so, and contain spill. Absorb onto sand, vermiculite or other suitable absorbent material. If spill is too large or if absorbent material is not available, try to create a dike to stop material spreading or going into drains or waterways. Sweep up and shovel or collect recoverable product into labelled containers for recycling or salvage, and dispose of promptly. Can be slippery on floors, especially when wet. Recycle containers wherever possible after careful cleaning. After spills, wash area preventing runoff from entering drains. If a significant quantity of material enters drains, advise emergency services. This material may be suitable for approved landfill. Ensure legality of disposal by consulting regulations prior to disposal. Thoroughly launder protective clothing before storage or re-use. Advise laundry of nature of contamination when sending contaminated clothing to laundry

7. HANDLING AND STORAGE

Precautions for Safe Handling
Keep exposure to this product to a minimum, and minimise the quantities kept in work areas. Check Section 8 of this MSDS for details of personal protective measures, and make sure that those measures are followed. The measures detailed below under "Storage" should be followed during handling in order to minimise risks to persons using the product in the workplace. Also, avoid contact or contamination of product with incompatible materials listed in Section 10.

Conditions for safe storage, including any incompatibilities
Store packages of this product in a cool place. Make sure that containers of this product are kept tightly closed. Keep containers dry and away from water. Make sure that the product does not come into contact with substances listed under "Incompatibilities" in Section 10. Some liquid preparations settle or separate on standing and may require stirring before use. Check packaging - there may be further storage instructions on the label.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Respiratory equipment:	NZS 1715
Protective Gloves:	NZS 2161
Occupational Protective Clothing:	NZS 4501
Industrial Eye Protection:	NZS 1337
Occupational Protective Footwear:	NZS 2210

Other:
No special equipment is usually needed when occasionally handling small quantities. The following instructions are for bulk handling or where regular exposure in an occupational setting occurs without proper containment systems.

Ventilation:
This product should only be used in a well ventilated area. If natural ventilation is inadequate, use of a fan is suggested.

Eye Protection:
Eye protection is not normally necessary when this product is being used. However, if in doubt, wear

suitable protective glasses or goggles.

Skin Protection:
The information at hand indicates that this product is not harmful and that normally no special skin protection is necessary. However, we suggest that you routinely avoid contact with all chemical products and that you wear suitable gloves (preferably elbow-length) when skin contact is likely.

Protective Material Types:
We suggest that protective clothing be made from the following materials: nitrile, neoprene.

Respirator:
Usually, no respirator is necessary when using this product. However, if you have any doubts consult the Standard mentioned above.

9. PHYSICAL AND CHEMICAL PROPERTIES

Properties	Description	Properties	Description
Physical Description & colour:	Clear yellow to amber tacky liquid	**Odour**	Characteristic odour
Boiling Point (°C)	Not Available	**Freezing/Melting Point:**	No specific data. Liquid at normal temperatures
Volatile @ 100°C	Nil	**Vapour Pressure @ 20°C (kPa)**	Nil at normal ambient temperatures
Vapour Density @ 20°C (kPa)	No data	**Flash Point (°C)**	>150
Specific Gravity @ 15°C	0.906	**Water Solubility**	Insoluble
pH	Not Available	**Odour Threshold**	Not Available
Evaporation Rate	Not Available	**Viscosity**	Not Available
Autoignition temp (°C)	>250°C (ASTM E 659)		

The values listed are indicative of this product's physical and chemical properties. For a full product specification, please consult the Product Data Sheet.

10. STABILITY AND REACTIVITY

Reactivity
This product is unlikely to react or decompose under normal storage conditions. However, if you have any doubts, contact the supplier for advice on shelf life properties.

Conditions to Avoid
This product should be kept in a cool place, preferably below 30°C. Keep containers tightly closed. Containers should be kept dry.

Incompatible materials
Strong oxidizing agents.

Hazardous Decomposition Products
Combustion forms carbon dioxide, and if incomplete, carbon monoxide, various hydrocarbons, aldehydes and smoke. Water is also formed. Small quantities of oxides of nitrogen, sulfur, zinc and phosphorus. Carbon monoxide poisoning produces headache, weakness, nausea, dizziness, confusion, dimness of vision, disturbance of judgment, and unconsciousness followed by coma and death.

Hazardous Polymerization
This product will not undergo polymerisation reactions.

11. TOXICOLOGICAL INFORMATION

Local Effects:

Target Organs:

There is no data indicating any particular target organs. Characteristic skin affections (oil blisters) may develop following prolonged and repeated exposure through contact with stained clothing.

Sensitization

Not classified as allergenic. Toxicological checks with similar products have not revealed any skin sensitivity aggravation. Contains a sensitising substance; may cause an allergic reaction.

Classification of Hazardous Ingredients

No ingredient mentioned in the HSNO Database is present in this product at hazardous concentrations.

Toxicological Information

Acute Toxicity	*(6.1A, 6.1B, 6.1C, 6.1D)*	Not classified
Aspiration Hazard	*(6.1E)*	Not classified
Respiratory Irritation	*(6.1E)*	Not classified
Skin Corrosion/Irritation	*(8.2A, 8.2B, 8.2C, 6.3A)*	Not classified
Serious Eye damage/irritation	*(8.3A, 6.3A)*	Not classified
Respiratory or Skin Sensitisation	*(6.5A, 6.5B)*	Not classified
Germ cell mutagenicity	*(6.6A, 6.6B)*	Not classified
Carcinogenicity	*(6.7A, 6.7B)*	Not classified
Reproductive Toxicity	*(6.8A, 6.8B, 6.8C)*	Not classified
Specific Organ Toxicity (Repeated and Single Exposure)	*(6.9A, 6.9B)*	Not classified
Narcotic Effects	*(6.9B)*	Not classified

12. ECOLOGICAL INFORMATION

Mobility:

Air: There is a slow loss by evaporation.
Soil: Given its physical and chemical characteristics, the product has no soil mobility.
Water: The product is insoluble; it spreads on the surface of the water.

Persistence and degradability:

No experimental information about the finished product. However the "mineral oil" fraction of the new product is intrinsically biodegradable.

Zinc alkyl dithiophosphate:

EC50 Daphnia magna: (48h) 1 - 1.5 mg/L
LC50 Pimephales promelas (static) (96h) 1.0-5.0 mg/L
LC50 Pimephales promelas (semi-static) (96h) 10.0-35.0 mg/L

13. DISPOSAL CONSIDERATIONS

Disposal considerations

This product may be recycled if unused, or if it has not been contaminated so as to make it unsuitable for its intended use. If it has been contaminated, it may be possible to reclaim the product by filtration, distillation or some other means. If neither of these options is suitable, consider controlled incineration, or landfill.

14. TRANSPORT INFORMATION

Road & Rail Transport		Marine Transport		Air Transport	
UN No.	N/R	**UN No.**	N/R	**UN No.**	N/R
Proper Shipping Name	N/A	**Proper Shipping Name**	N/A	**Proper Shipping Name**	N/A
DG Class	N/R	**DG Class**	N/R	**DG Class**	N/R
Sub Risk	None	**Sub Risk**	None	**Sub Risk**	None
Pack Group	N/R	**Pack Group**	N/R	**Pack Group**	N/R
Hazchem	N/R	**Hazchem**	N/R	**Hazchem**	N/R

Not classified as Dangerous Goods for transport according to the New Zealand Standard NZS 5433:2020 Transport of Dangerous Goods on Land.

15. REGULATORY INFORMATION

HSNO No
Not available

HSNO Approval
Not Classified as Hazardous according to the Hazardous Substances (Hazard Classification) Notice 2020

16. OTHER INFORMATION

Date of preparation or last revision of SDS
Date of preparation or last revision of SDS
SDS created: 05 July 2022

References
Workplace Exposure Standards and Biological Exposure Indices.
Transport of Dangerous goods on land NZS 5433:2020
Preparation of Safety Data Sheets - Approved Code of Practice Under the Hazardous Substances (Hazard Classification) Notice 2020

END OF SDS