Safety Data Sheet

Section 1 - Identification of the Material and Supplier

Product Name: **Trans Syn LSD 80W140**
Product Code:
Product Use: Gear Lubricating Oil

Supplier: **Oil Intel Limited**
56 Whakatu Road, Whakatu
Hastings 4172
NEW ZEALAND
Phone: +64 (06) 871 53 25
Fax: +64 (06) 870 48 90

EMERGENCY TELEPHONE NUMBER: **0800 734 607 (New Zealand)**
Chemical Nature:
Creation Date: **December 2013**
This Version Issued: **July 2018** and is valid for 5 years from this date.

Section 2 – Hazards Identification

Statement of Hazardous Nature
This product is classified as: Non-Hazardous
Eye Contact: Slightly irritant.
Skin Contact: Prolonged or repeated contact may irritate skin.
Inhalation: Repeated and prolonged over-exposure to oil mists may cause irritation or discomfort.
Ingestion: Minimal toxicity.
Safety Hazards: Not classified as flammable but will burn.
Environmental Hazards: Not readily biodegradable.

Section 3 – Composition/Information on Ingredients

Ingredients	CAS No.	Conc, %	TWA (mg/m^3) STEL (mg/m^3)
Oil, mineral		90–95	
Additives		5–10	

Section 4 – First Aid Measures

Eye Contact: Flush eyes with a large amount of water until irritation subsides. If irritation persists, seek medical attention.
Skin Contact: Flush with a large amount of water, use soap if available. Remove contaminated clothing. If irritation persists, seek medical attention.
Inhalation: Remove to fresh air. If rapid recovery does not occur, seek medical attention.
Ingestion: Do not induce vomiting. If rapid recovery does not occur, seek medical attention.

Section 5 – Fire Fighting Measures

Means of Extinction: Use dry chemical, foam or carbon dioxide to extinguish fire. Water may cause splattering or frothing. Use water to cool and protect fire-exposed material. Wear protective equipment during fire fighting.
Specific Hazards: Not classified as flammable but will burn. Hazardous combustion products may include carbon monoxide, oxides of sulphur, and unidentified organic and inorganic compounds.
Flashpoint and Method of Determination: >200^{0}C
Upper Explosion Limit (% by volume): 6
Lower Explosion Limit (% by volume): 1
Autoignition Temperature: >300^{0}C

Section 6 – Accidental Release Measures

Leak and Spill Procedures: Stop the source of the leak or release and contain spill if possible. Cover spill with generous amount of inert absorbent material such as sand or earth. Sweep up and remove to suitable, clearly marked containers for disposal in accordance with local regulations. Scrub contaminated area with detergent and water. Pick up liquid with additional absorbent material and dispose of as above. Wear proper protective equipment during clean up.

Section 7 – Handling and Storage

Handling Procedures and Equipment: Handling temperatures should not exceed 176^{0}C. Wear proper safety protective equipment. Wash hands thoroughly after handling. Water contamination and spillage should be avoided.
Storage Requirements: Storage temperatures should be maintained between 0 and 50^{0}C. Odorous and toxic fumes may be evolved from decomposition of product if stored above the safe temperature.

Section 8 – Exposure Controls and Personal Protection

Exposure Limits: The threshold limit value for oil mist is recommended to be controlled at 5 mg/m^3 or lower for exposure of 8 hours daily.
Ventilation: Use exhaust ventilation to keep below exposure limits.
Eye Protection: Wear safety glasses or face shields if splashing is likely to occur.
Skin Protection: Avoid repeated and prolonged contact with product. Use oil resistant gloves.
Respiratory Protection: Not normally required unless in confined space.
Body Protection: Use proper protective equipment to avoid contact. Wear PVC apron if splashes are likely to occur.

Section 9 – Physical and Chemical Properties

Physical State:	Liquid
Odour and Appearance:	Characteristic Mineral Oil. Brown.
Vapour Pressure:	<0.5 Pa at 20^{0}C
Density:	0.85 to 0.87 g/cm^3
pH of Undiluted Product:	N/A
Kinematic Viscosity at 100^{0}C:	27.88 cSt
at 40^{0}C:	220 cSt
Autoignition Temperature:	>300^{0}C
Pour Point:	-27^{0}C
Flashpoint:	>200^{0}C
Solubility in Water:	Negligible

Section 10 – Stability and Reactivity

Chemical Stability: Product is stable under normal use conditions.
Incompatible Materials: Strong oxidizing agents and strong acids.

Thermal Decomposition: Carbon monoxide, carbon dioxide, oxides of sulphur and nitrogen and organic and inorganic compounds may evolve when subject to heat or combustion.
Hazardous Polymerisation: Will not occur under normal conditions.

Section 11 – Toxicological Information

Toxicity: No toxicological data is available for this product. Information is provided based on the additives, other components and base stock used.
Routes of Entry:

- **Skin Absorption:** LD 50 expected to be above 2000mg/kg
- **Skin Contact:** Not a skin irritant unless repeated or prolonged contact.
- **Eyes:** Slightly irritant.
- **Inhalation:** Repeated or prolonged exposure to oil mists may cause irritation.
- **Ingestion:** LD 50 expected to be above 2000 mg/kg.

Carcinogenicity, Reproductive Effects: No data to suggest that the product is carcinogenic.
Teratogenicity, Mutagenicity: No data to suggest that the product is mutagenic.
Other Information: Brief contact with used oil is not expected to have serious effect on humans if the oil is removed thoroughly by washing with soap and water. Used engine oils may contain harmful impurities that have accumulated during use. The concentration of such impurities will depend on use and they present risks to health and the environment on disposal. All used oils should be handled with caution and skin contact should be avoided.

Section 12 – Ecological Information

Ecotoxicity: No ecological data is available for this product. Information is provided based on the additives, other components and base stock used.
Mobility: Liquid under most environmental conditions. Floats on water. It is absorbed by soil and will not be mobile.
Persistence/Degradability: Not readily biodegradable. Major constituents are expected to be inherently biodegradable, but the product contains components that may persist in the environment.
Bioaccumulation: Has the potential to bioaccumulate.
Ecotoxicity: Poor soluble mixture. Practically non-toxic to aquatic organisms. May cause physical fouling of aquatic organisms.

Section 13 – Disposal Considerations

Product Disposal: Used or waste oil should be recycled or disposed of in conformity to local disposal regulations. Contact local authorities for approved disposal contractor.
Container Disposal: Empty drums should be completely drained and sent to a drum reconditioner or properly disposed of. Non-reusable small containers should be recycled or disposed of. Ensure conformity to local disposal regulations.

Section 14 – Transport Information

General Information: Not dangerous for conveyance under UN, IMO, ADR/RID and IATA/ICAO codes.

Section 15 – Regulatory Information

New Zealand Regulatory Information:

HSNO Approval Number	HSR002605
HSNO Group Standard	Lubricants (Low Hazard) Group Standard 2006
HSNO Classification	6.3 - SKIN IRRITATION - Category B 6.4 - EYE IRRITATION - Category A (Irritant) 9.1 - AQUATIC ECOTOXICITY - Category D

Section 16 – Other Information

This MSDS contains only safety-related information. For other data see product literature.

Acronyms:

ADG Code	Australian Code for the Transport of Dangerous Goods by Road and Rail (7th edition)
AICS	Australian Inventory of Chemical Substances
SWA	Safe Work Australia, formerly ASCC and NOHSC
CAS Number	Chemical Abstracts Service Registry Number
Hazchem Code	Emergency action code of numbers and letters that provide information to emergency services especially fire-fighters
IARC	International Agency for Research on Cancer
NOS	Not otherwise specified
NTP	National Toxicology Program (USA)
R-Phrase	Risk Phrase
SUSMP	Standard for the Uniform Scheduling of Medicines & Poisons
UN Number	United Nations Number

AMTEX HIGH PERFORMANCE OILS

THIS MSDS SUMMARISES OUR BEST KNOWLEDGE OF THE HEALTH AND SAFETY HAZARD INFORMATION OF THE PRODUCT AND HOW TO SAFELY HANDLE AND USE THE PRODUCT IN THE WORKPLACE. EACH USER MUST REVIEW THIS MSDS IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE. IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THIS COMPANY SO WE CAN ATTEMPT TO OBTAIN ADDITIONAL INFORMATION FROM OUR SUPPLIERS. OUR RESPONSIBILITY FOR PRODUCTS SOLD IS SUBJECT TO OUR STANDARD TERMS AND CONDITIONS, A COPY OF WHICH IS SENT TO OUR CUSTOMERS AND IS ALSO AVAILABLE ON REQUEST.
Please read all labels carefully before using product.

This MSDS is prepared in accord with the SWA document "Preparation of Safety Data Sheets for Hazardous Chemicals - Code of Practice" (December 2011)
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