



64101

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LS DIFF FRICTION MODIFIER

Material Safety Data Sheet

SECTION 1 IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name Wynn's LS Differential Friction Modifier

Other Names 64101 125 ml

Recommended Use Lubricating oil for limited-slip differentials

Supplier Name Wynn's Australia Pty Ltd
An (ITW), Illinois Tool Works Company
ABN 73 000 370 150

Address 100 Hassall Street, Wetherill Park N.S.W. 2164
Private Bag 35, Wetherill Park DC N.S.W. 2164

Telephone Number (02) 9828 0900

Email: wynnsaus@wynns.net
Website: www.wynns.net

Emergency Phone Number (02) 9828 0900 Monday-Friday 8.00am – 5.00pm
13 11 26 (24 hours Australia) Poisons Information Centre (PIC)
0800 764 766 (New Zealand) Poisons Information Centre (PIC)

SECTION 2 HAZARDS IDENTIFICATION

Hazard Classification HAZARDOUS SUBSTANCE. NON-DANGEROUS GOODS.
Classified as hazardous according to the criteria of NOHSC.
Not classified as a Dangerous Good according to the criteria of the ADG Code.

Risk Phrase R 21 Harmful in contact with skin.

Safety Phrase S 45 In case of accident or if you feel unwell, seek medical advice immediately.

SECTION 3	COMPOSITION/INFORMATION ON INGREDIENTS
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Pure substances

Not applicable – Mixture

Mixtures

Chemical Identity	CAS Number	Proportion
Highly refined hydrotreated paraffinic mineral oil.	64742-58-1	>60%
Solvent refined heavy naphthenic mineral oil.	64741-96-4	10 - <30%
Other non-hazardous ingredients	-	<10%

SECTION 4	FIRST AID MEASURES
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Ingestion

If swallowed, do NOT induce vomiting. Immediately wash out mouth with water, and then give plenty of water to drink. Seek medical attention.

Skin

If skin contact occurs, remove contaminated clothing, and flush skin with running water. Wash affected area with soap. If irritation persists, call for medical help.

Eye

If in eyes, hold eyelids apart and flush the eye continuously with running water. If irritation persists, call for medical help.

Inhalation

Remove person to fresh air to avoid further inhalation.

First Aid Facilities

Eyewash station.

Advice to Doctor

Treatment should be controlled by symptoms and clinical conditions. Emesis may be induced under medical supervision.

SECTION 5	FIRE FIGHTING MEASURES
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Suitable Extinguishing Media

Dry chemicals, carbon dioxide, water fog, foam.

Hazards From Combustion Products

Thermal decomposition may produce oxides of carbon, sulphur, nitrogen, phosphorus, zinc and sodium.

Precautions For Fire Fighters

Use water to cool fire-exposed containers. Combustion will produce smoke and toxic fumes.

Special Protective Equipment

Fire fighters to use a self contained breathing apparatus.

Hazchem Code

None allocated

SECTION 6	ACCIDENTAL RELEASE MEASURES
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Emergency Procedures Contain spill which may be slippery. Remove all sources of ignition. Increase ventilation.

Methods and Materials for Containment and Clean Up Procedures Use absorbent sand, clay or vermiculite. Shovel into containers. Prevent liquid from entering into sewers and waterways. Dispose of in accordance with Federal, State and Local regulations.

SECTION 7	HANDLING AND STORAGE
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Precautions for Safe Handling Keep containers closed. Keep out of reach of children. Avoid skin and eye contact.

Conditions for Safe Storage Store in cool, well ventilated area. Combustible. Avoid heat, open flame and strong oxidising agents.

SECTION 8	EXPOSURE CONTROLS/PERSONAL PROTECTION
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National Exposure Standards

Name	ES-TWA	ES-STEL	ES-Peak
None established for product.	-	-	-

Established for ingredients.

Mineral Oil Mist	5 mg/m ³	10 mg/m ³	
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Alternative Standards

Petroleum Oil Mist	OSHA (PEL)	5mg/m ³
	ACGIH (TLV-TWA)	5mg/m ³

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.

Biological Limit Values

No biological limit allocated.

Engineering Controls

For normal use, no ventilation is required. Use in a normal ventilated area.

Personal Protective Equipment

Respiratory Protection

For normal use, none required.

Eye / Face Protection

Safety glasses.

Skin Protection

PVC or Nitrile gloves. Rubber, plastic gloves.

Thermal Hazards

None allocated.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Thick amber liquid
Odour	Mild petroleum
pH Value	Not applicable
Vapour Pressure	Not available
Vapour Density	Not available
Boiling Point/Range	>288°C
Freezing Point	Not available
Melting Point	Not applicable
Solubility	Nil in water
Density	0.916 @ 15°C
Flash Point	149°C (COC)
Flammable Limits	Not available
Ignition Temperature	Not available
Viscosity	31.1 cSt @ 40°C 5.5 cSt @ 100°C

SECTION 10 STABILITY AND REACTIVITY

Chemical Stability	Stable
Conditions to Avoid	Heat, open flame.
Incompatible Materials	Strong oxidising agents.
Hazardous Decomposition Products	Thermal decomposition may produce oxides of carbon, sulphur, nitrogen, phosphorus, zinc and sodium.
Hazardous Reactions	Polymerization will not occur.

SECTION 11 TOXICOLOGICAL INFORMATION

Toxicology Information	This material has not been identified as a carcinogen by NTP, IARC OR OSHA. Contains no other ingredients now known to be hazardous as defined by OSHA 29CFR 1920.1000(z) and 29 CFR 1910.1200.
Acute Health Effects	
Ingestion	If swallowed, may cause slight irritation to digestive tract. Signs and symptoms are discomfort, nausea, vomiting.
Inhalation	Vapours generated at elevated temperatures can cause irritation to respiratory tract.
Eye	Will cause irritation to the eyes on direct contact, symptoms include redness and blurred vision.

Skin May absorb on prolonged contact. Can cause irritation to skin. Prolonged contact causes redness, defatting of skin to sensitive individuals.

Chronic Health Effects

Skin Prolonged and repeated contact with skin, will cause skin irritation, defatting of skin and redness.

SECTION 12 ECOLOGICAL INFORMATION

Ecotoxicity No ecotoxicological classifications.

**Persistence/
Degradability** This product is inherently biodegradable.

Mobility Not available.

SECTION 13 DISPOSAL CONSIDERATIONS

Disposal Methods Dispose of waste according to Federal, EPA, State and Local regulations. Assure conformity with all applicable regulations.

**Special Precautions for
Landfill or Incineration** Material suitable for disposal by incineration or landfill through an approved agent.

SECTION 14 TRANSPORT INFORMATION

UN Number None allocated.

Proper Shipping Name Not applicable.

**Class and Subsidiary
Risk** Not applicable.

Packing Group Not applicable.

**Special Precautions
for User** None applicable.

Hazchem Code None allocated.

SECTION 15	REGULATORY INFORMATION
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Poisons Schedule	None scheduled.
Hazard Category	Harmful / NOHSC : 10005 (1999).

SECTION 16	OTHER INFORMATION
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Acronyms

ABN	Australian Business Number
ACGIH	American Conference of Governmental Industrial Hygienists
ADG	Australian Dangerous Goods
AICS	Australian Inventory of Chemical Substances
AS	Australian Standard
CAS	Chemical Abstracts Service (USA)
COC	Cleveland Open Cup
EPA	Environment Protection Agency (Australian States)
IARC	International Agency for Research on Cancer
IP	Institute of Petroleum (UK)
NIOSH	National Institute for Occupational Safety and Health (USA)
NOHSC	National Occupational Health and Safety Commission (Australia)
NTP	National Toxicology Program (USA)
NZS	New Zealand Standard
OSHA	Occupational Safety and Health Administration (USA)
PEL	Permissible Exposure Level
PMCC	Pensky – Martens Closed Cup
SCBA	Self-Contained Breathing Apparatus
STEL	Short Term Exposure Limit
SUSDP	Standard for the Uniform Scheduling of Drugs and Poisons (Australia)
TLV	Threshold Limit Value
TWA	Time Weighted Average
UN	United Nations

Abbreviations

cP	centiPoise
cSt	centiStoke
g	gram
Hg	Mercury
kPa	kiloPascal
L	litre
m ³	cubic metre
mg	milligram
mL	millilitre
mm	millimetre
°C	degrees of temperature in Celsius (Centigrade)
%	percent(age)

Note

This form has been prepared in accordance with the National Code of Practice for the Preparation of Material Safety Data Sheets 2nd Edition [NOHSC:2011 (2003)] issued by the National Occupation Health and Safety Commission April 2003.

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END OF MATERIAL SAFETY DATA SHEET