



80319/80321

Issue Date: March 2008



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VARIPLEX MOLY GREASE

Material Safety Data Sheet

SECTION 1 IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name	Wynn's Variplex Moly Grease		
Other Names	80319 450g / 80321 20kg		
Recommended Use	Lubrication grease		
Supplier Name	Wynn's Australia Pty Ltd An (ITW), Illinois Tool Works Company ABN 73 000 370 150		
Address	100 Hassall Street, Wetherill Park NSW 2164 Private Bag 35, Wetherill Park NSW 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	NON-HAZARDOUS SUBSTANCE. NON-DANGEROUS GOODS. Not classified as hazardous according to the criteria of NOHSC. Not classified as a Dangerous Good according to the Australian Code for Transport of Dangerous Goods by Road and Rail.
Risk Phrase	None
Safety Phrase	None

SECTION 3	COMPOSITION/INFORMATION ON INGREDIENTS
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Pure substances

Not applicable – Mixture

Mixtures

Chemical Identity	CAS Number	Proportion
Heavy, highly refined, paraffinic mineral oil	64742-62-7	30 - 60%
Molybdenum disulphide	1317-33-5	< 10%
Other non-hazardous ingredients	-	10 - < 30%
Heavy, solvent-dewaxed, paraffinic mineral oil	64742-65-0	10 - < 30%

SECTION 4	FIRST AID MEASURES
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Ingestion

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

Skin

Remove all contaminated clothing. Wash gently and thoroughly with water and non-abrasive soap. Ensure contaminated clothing is washed before re-use, or discard. If irritation develops and persists, seek medical attention. Should grease be accidentally injected under the skin, no matter how minor, seek IMMEDIATE medical attention.

Eye

Rinse eyes immediately with water for at least 15 minutes. In case of irritation, seek medical advice.

Inhalation

Remove the patient to fresh air. Ensure airways are clear and have qualified person give oxygen through a facemask if breathing is difficult. If irritation develops, seek medical attention.

First Aid Facilities

No special facilities required.

Advice to Doctor

Treat symptomatically. Injections under the skin resulting from contact with high pressure, constitutes a major medical emergency. Injuries may not appear serious at first but within a few hours, tissue becomes swollen, discoloured and extremely painful with extensive subcutaneous necrosis. Surgical exploration should be undertaken without delay. Thorough and extensive debridement of the wound and underlying tissue is necessary to minimise tissue loss and prevent or limit permanent damage. Note that the high pressure may force the product considerable distance along tissue.

SECTION 5 FIRE FIGHTING MEASURES

Suitable Extinguishing Media	Use water as fog or spray to cool fire exposed containers. Do not use direct stream of water as product will float, possibly re-igniting.
Hazards From Combustion Products	Oxides of carbon.
Precautions For Fire Fighters	SCBA and full protective clothing should be worn.
Special Protective Equipment	None required.
Hazchem Code	None assigned.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Emergency Procedures	Contain spill which may be slippery. Remove all sources of ignition. Increase ventilation.
Methods and Materials for Containment and Clean Up Procedures	Place inert absorbent material such as vermiculite, sand or dirt onto spillage. Use clean non-sparking tools to collect the material and place into a suitable labelled container. If large quantities of this material enter the waterways contact the Environmental Protection Authority, or your local Waste Management Authority.

SECTION 7 HANDLING AND STORAGE

Precautions for Safe Handling	<p>Repeated or prolonged contact with this material should be avoided in order to lessen the possibility of skin disorders. It is essential that all who come into contact, maintain high standards of personal hygiene ie washing hands prior to eating, drinking or going to the toilet. Build-up of mists in the working atmosphere must be prevented.</p> <p>Misuse of empty containers can be hazardous. Do not cut, weld, heat or drill containers. Residue may ignite with explosive violence if heated sufficiently. Do not pressure or expose to open flame or heat. Keep container closed and bung in place.</p>
Conditions for Safe Storage	Classified as a combustible substance for storage and handling purposes. Store in a cool, dry, well-ventilated area, out of direct sunlight. Avoid sparks, flames, and other ignition sources. Store away from incompatible materials such as materials that support combustion (oxidising materials). Reference should be made to Australian Standard AS1940- The storage and handling of flammable and combustible liquids.

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	5mg/m ³	10mg/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

The use of mechanical dilution ventilation is recommended whenever this product is used in a confined space, is heated above ambient temperatures or otherwise to maintain ambient concentration below the recommended threshold exposure limits.

Personal Protective Equipment**Respiratory Protection**

Avoid breathing vapours or mists. When vapours are generated, the use of the following is recommended: half face piece respirator with dust/mist filters. The appropriate filter capacity and respirator type will depend on exposure levels encountered.

Eye / Face Protection

Chemical safety goggles are recommended. If handled hot, a full face shield should be worn.

Skin Protection

Use of impervious rubber gloves are recommended. Clothing should be suitable to avoid product contacting the skin on a prolonged or repeated basis.

Thermal Hazards

None required.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Dark grey smooth grease
Odour	Negligible
pH Value	Not applicable
Vapour Pressure	Not available
Vapour Density	Not available
Boiling Point/Range	Not available
Freezing Point	Not applicable
Melting Point	275°C
Solubility	<0.1 g/L in water
Density	0.920 @ 15°C
Flash Point	260°C (COC) as base oil
Flammable Limits	Not available
Ignition Temperature	Not available

SECTION 10 STABILITY AND REACTIVITY

Chemical Stability	Stable under normal conditions of storage and handling.
Conditions to Avoid	None allocated.
Incompatible Materials	Strong oxidising agents.
Hazardous Decomposition Products	Oxides of carbon.
Hazardous Reactions	No hazardous polymerisation will occur.

SECTION 11 TOXICOLOGICAL INFORMATION

Toxicology Information	The classification as a carcinogen need not apply in this case as the main constituents in this product are in accordance with Note L of the NOHSC Designated List of Hazardous Substances (containing less than 3% DMSO extract as measured by IP 346).
Acute Health Effects	
Ingestion	May cause irritation to the mouth, oesophagus and stomach. Symptoms may include nausea, vomiting and diarrhoea.
Inhalation	May cause irritation to the mucous membrane and upper airways, especially if the material is heated or mists are generated and/or is used in poorly ventilated areas. Symptoms may include headache, dizziness and nausea.

Eye	May cause slight to moderate eye irritation, resulting in redness and stinging.
Skin	May dry and defat the skin, resulting in skin irritation and possible dermatitis. Grease accidentally injected under the skin can result in local necrosis and tissue damage.
Chronic Health Effects	
Skin	Prolonged or repeated contact with this material may result in skin irritation leading to dermatitis.

SECTION 12	ECOLOGICAL INFORMATION
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Ecotoxicity	No ecotoxicological classifications.
Persistence/ Degradability	This product is inherently biodegradable.
Mobility	Spillages are unlikely to penetrate the soil.

SECTION 13	DISPOSAL CONSIDERATIONS
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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	None allocated.

SECTION 14	TRANSPORT INFORMATION
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UN Number	None allocated.
Proper Shipping Name	None allocated.
Class and Subsidiary Risk	Not classified as a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.
Packing Group	None allocated.
Special Precautions for User	None required.
Hazchem Code	None allocated.

SECTION 15	REGULATORY INFORMATION
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Poisons Schedule	Not scheduled under SUSDP.
Hazard Category	All ingredients present on AICS.

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