

SAFETY DATA SHEET

SECTION 1 - PRODUCT IDENTIFICATION

Product identifier: MOLYSLIP 'G' GEAR OIL SUPPLEMENT

Product number: 3422-3429

Product use: MoS₂ in Oil for Gears and other Industrial Uses

Supplier name and address:

Molyslip (Canada) Inc.
1145 Bellamy Road N., Unit #20
Scarborough, Ontario, Canada
M1H 1H5
T: (416) 438-5523
F: (416) 438-5513

Manufacturer's name and address:

Refer to Supplier

Emergency Telephone #: 613-996-6666 (CANUTEC)

Canadian Regulatory Information – Section 9

Hazard Rating

Health	1
Fire	0
Reactivity	0

Revision Date

January 04, 2016

SECTION 2 - CHEMICAL COMPOSITION/HAZARDOUS INGREDIENTS

<u>Ingredient</u>	<u>% Wt</u> <u>/Wt</u>	<u>TLV TWA</u> <u>ACGIH</u>	<u>C.A.S.</u>	<u>LD/50</u>	<u>LC/50</u>
Distillates (Petroleum), Solvent Dewaxed Heavy Paraffinic	1-5	5 mg/m ³	64742-65-0	Not Available	Not Available
Molybdenum Disulfide Rat Inhalation	1-5	10 mg/m ³	1317-33-5	Not Available	>2820 MG/M3/4H
Solvent Refined Heavy Paraffinic Distillate	3-7	5 mg/m ³	64741-88-4	Not Available	Not Available
Solvent Refined Residual Oil	60-100	Not Available	64742-01-4	Not Available	Not Available

SECTION 3 – PHYSICAL DATA

Physical State	Liquid
Appearance & Odour	Grayish green
PH (As Is)	Not Available
Specific Gravity (Water =1) @ 20°C	0.92
Boiling Point	Not Available
Vapour Pressure (mm Hg)	0.10 @ 20°C
Vapour Density (Air = 1)	Not Available
Freezing Point	Not Available
Evaporation Rate (Butyl Acetate = 1)	0
Volatiles (%) By Volume	Not Available
Solubility in Water (%)	NIL
Coefficient of Water/Oil Dist	Not Available
Odour Threshold (ppm)	Not Available
VOC	0 G/L

SECTION 4 - FIRE & EXPLOSION DATA

Flammability	Not Flammable per WHMIS
If Yes, Under Which Conditions	Temperatures at or above flashpoint
Extinguishing Media	Dry Chemical, Carbon Dioxide, Water Spray
Special Procedures	Firefighters should wear the usual protective gear Use self-contained breathing apparatus Use water to cool fire-exposed containers and to protect personnel
Flash Point, Method	Closed Cup 176.7°C (350°F)
Autoignition Temperature	Not Available
Upper Flammable Limit (% Vol)	Not Available
Lower Flammable Limit (% Vol)	Not Available
Explosion Data	
Sensitivity to Static Discharge	Not Available
Sensitivity to Impact	Not Available
Rate of Burning	Not Available
Explosive Power	Container may explode if exposed to high heat
Hazardous Combustion Products	Oxides of Carbon (CO, CO ₂) Oxides of Sulphur
T.D.G. Flammability Class	Not Applicable

SECTION 5 – REACTIVITY DATA

Chemical Stability	Product is stable in non-emergency conditions
No, Which Conditions	None Known
Hazardous Polymerization	Will not occur
Compatibility with Other Substances	
No, Which Ones	Strong Oxidizers
Reactivity, Under Which Conditions	Contact with incompatible substances
Hazardous Products of Decomposition	See Hazardous Products of Combustion – Section 4

SECTION 6 - TOXICOLOGICAL PROPERTIES

Route of Entry	Eye contact, skin contact, inhalation, ingestion and skin absorption
Effects of Acute Exposure	
Eye Contact	Slight irritant
Skin Contact	May cause moderate irritation
Skin Absorption	May be absorbed through the skin
Inhalation	May be harmful if inhaled
	Vapors may cause respiratory tract irritation
Ingestion	Harmful if swallowed
Effects of Chronic Exposure	None Known
LD₅₀ Of Material, Species & Route	Not Available
LC₅₀ Of Material, Species & Route	Not Available
Exposure Limit of Material	Not Available for mixture, see Section 2A
Irritancy of Material	See Effects of Acute Exposure
Sensitizing Capability of Material	Not Available
Carcinogenic Effects	Not Available
Reproductive Effects	Not Available
Teratogenicity	Not Available
Mutagenicity	Not Available
Synergistic Materials	Not Available

SECTION 7 – PREVENTATIVE MEASURES

Personal Protection	
Gloves/Type	Impermeable gloves
Respiratory/Type	If TLV is exceeded, use an approved air supplied respirator
Eye/Type	Wear splash-proof chemical goggles
Footwear/Type	Safety boots per local regulations
Clothing/Type	Wear adequate protective clothes
Other/Type	Impervious apron
	Eye wash facility should be in close proximity
	Emergency shower should be in close proximity
Ventilation Requirements	Local exhaust and mechanical ventilation recommended

SECTION 7 – PREVENTATIVE MEASURES (CONT.)
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Leak/Spill	Dike area to prevent spreading Prevent runoff into drains, sewers and other waterways Absorb with inert material Ventilate area Use non-sparking tools Wear protective equipment Place in a closed container for disposal
Waste Disposal	In accordance with municipal, provincial and federal regulations Follow company policies and procedures
Handling Procedures and Equipment	Maintain a good personal hygiene Handle and open container with care This product must be manipulated by qualified personnel Use adequate ventilation Empty containers containing residue may cause a hazard Avoid contact with eyes, skin and clothing Wash contaminated clothing before reuse Avoid breathing vapors or mists Wash thoroughly after using, particularly before eating or smoking
Storage Needs	Store in a cool and well ventilated area Store away from incompatible materials Keep container closed Store at ambient temperatures
Special Shipping Instructions	Not regulated

SECTION 8 - FIRST AID MEASURES

Skin contact	Remove contaminated clothing – Wash affected area with warm water and soap – Seek medical attention if irritation occurs or persists
Eye contact	Flush eyes with water for at least 15 minutes Consult a physician if irritation persists
Inhalation	Remove victim to fresh air - If not breathing qualified personnel should administer artificial respiration - Get medical attention
Ingestion	Do NOT induce vomiting Obtain immediate medical attention

SECTION 9 - ADDITIONAL INFORMATION

C.E.P.A.**CAS Nomenclature**

Not Applicable

C.A.S. Registration Number

Mixture

Domestic Substances List

This product appears on the domestic substance list

Appears on the U.S. TSCA Inventory

National Pollutants Release Inventory

Does not appear

W.H.M.I.S.

Classification

D2 sub B

Reporting Quantity

Not Applicable

T.D.G.R.

Proper Shipping Name

Not Regulated

UN/PIN #

Not Applicable

Class

Not Applicable

Packing Group

Not Applicable

IMO Classification

Refer to transporter

ICAO (Air) Class

Refer to airline

Qty Permitted on Passenger Air Craft

Refer to airline

Qty Permitted on Cargo Air Craft

Refer to airline

Special Shipping Instructions

In Case of Emergency Contact Canutec

1-613-996-6666

Essential Information

The information contained herein is based upon publicly available information and is considered true and accurate. This company makes no warranties express or implied as to the accuracy or adequacy of this information. This information is offered solely for the user's consideration, investigation and verification. It is the user's responsibility whether any use of this information and data is in accordance with applicable federal, provincial/state or local laws and regulations. The manufacturer's original MSDS is available by contacting the sales order department.

Data Prepared By

Conform-Action Data Systems

A division of 2843471 Canada Inc.

1975 Hymus Blvd. Suite 230

Dorval, QC H9P 1J8

1-800-990-5093

Additional notes or references:

Abbreviations:

ACGIH:	American Conference of Governmental Industrial Hygienists
IMO:	International Maritime Organization
ICAO:	International Civil Aviation Organization
mg/m ³ :	Milligrams per cubic metre
PEL:	Permissible Exposure Limit
TLV:	Threshold Limit Value
WHMIS:	Workplace Hazardous Materials Information System

References:

1. CANUTEC, Dangerous Goods Guide to Initial Emergency Response, 1996.
 2. Extract from the Canada Gazette Part II, Regulations respecting the Handling, Offering for Transport and Transportation of Dangerous Goods.
 3. Extract from the Canada Gazette Part II, Controlled Products Regulations: Hazardous Products Act.
 4. Environment Canada, Domestic Substances List.
 5. American Conference of Governmental Industrial Hygienists (ACGIH), 1996 Threshold Limit Values For Chemicals and Physical Agents and Biological Exposure Indices.
 6. Canadian Centre for Occupational Health and Safety, CCINFO-DISK.
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