

SAFETY DATA SHEET

SECTION 1 - PRODUCT IDENTIFICATION

Product identifier: MOLYSLIP AUTOMATIC TRANSMISSION SUPPLEMENT

Product number: 5932-5939

Product use: Additive for Transmission Fluid

Supplier name and address:

Molyslip (Canada) Inc.
1145 Bellamy Road N., Unit #20
Scarborough, Ontario, Canada
M1H 1H5

Manufacturer's name and address:

Refer to Supplier

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

SECTION 2 - CHEMICAL COMPOSITION/HAZARDOUS INGREDIENTS

Ingredients	CAS #	% (weight)	OSHA PEL	ACGIH TLV
Polymethacrylate Esters	N/Av	50-80	N/Av	N/Av
Zinc Dialkyl-Ditho Phosphate	N/Av	5-10	N/Av	N/Av
Solvent Refined Mineral Oil	N/Av	10-30	N/Av	N/Av
Ethylhexyl Molybdenum Dithiophosphate	N/Av	5-10	N/Av	N/Av

SECTION 3 - HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS

Target organs: Inhalation, skin, eyes, ingestion

Signs and symptoms of short-term (acute) exposure:

Inhalation: Low volatility makes inhalation unlikely at ambient temperatures

Skin contact: Minimally irritating to skin

Eye contact: May cause transient irritation.

Ingestion: May cause nausea, vomiting and diarrhoea.

Effects of long-term (chronic) exposure: Repeated and prolonged skin contact may result in skin disorders.

Other: Products which have become contaminated in use or from external sources may present more serious health effects. Oils become contaminated during use and generate potential carcinogens. Avoid skin contact with used oils.

SECTION 4 - FIRST AID MEASURES

Inhalation: Remove victim to fresh air. If not breathing qualified personnel should administer artificial respiration. Get medical attention.

Skin contact: Flush immediately with plenty of water, followed by washing thoroughly with soap and water. Consult a physician if irritation persists.

Eye contact: Flush with plenty of water for at least 15 minutes. Consult a physician if irritation persists.

Ingestion: Do NOT induce vomiting. Wash mouth out with water. Obtain medical attention. If possible, provide a copy of this sheet to the attending doctor.

SECTION 5 - FIRE FIGHTING MEASURES

Fire hazards/conditions of flammability: Not classified as a flammable per WHMIS, but is inherently combustible and may be ignited if exposed to temperatures at or above flashpoint.

Flash point (Method): >100°C

Lower flammable limit (% by volume): Not available

Upper flammable limit (% by volume): Not available

Explosion data:

Sensitivity to mechanical impact: Not available.

Sensitivity to static discharge: Not available.

Auto-ignition temperature: Not available.

Suitable extinguishing media: Foam, dry chemical or carbon dioxide. Use water fog to cool exposed surfaces.

Special fire-fighting procedures/equipment: Firefighters should wear the usual protective gear. Use self-contained breathing apparatus.

Hazardous combustion products: N/A

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal precautions: Spilled product presents a significant slip hazard, so avoid walking through area or spreading spilled material. Avoid exposure of the product to sources of ignition.

Environmental precautions: Prevent runoff into drains, sewers and watercourses.

Spill response/Cleanup: Absorb with sand or inert material or contain and remove by pumping or best available means. In case of spillage on water contain by a boom and collect by skimming or absorption.

Prohibited materials: None known.

SECTION 7 - HANDLING AND STORAGE

Safe handling procedures: Wash thoroughly after handling, particularly before eating or smoking. Clean up spilled material immediately to prevent slips.

Storage requirements: Keep containers tightly closed. Store drums undercover in racking protected from mechanical impact. If stored outside ingress of water should be avoided. Avoid sources of ignition. Provide suitable mechanical equipment for safe handling of drums and heavy packages.

Incompatible materials: May soften certain rubbers.

Special packaging materials: Not required.

SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

Ventilation and engineering controls: Local exhaust ventilation is recommended when excessive product misting and/or fuming occurs.

Respiratory protection: None required under normal use and conditions.

Protective gloves: Wear impervious gloves (e.g. of PVC) in case of repeated or prolonged contact.

Eye protection: Safety glasses are recommended.

Other protective equipment: Safety boots per local regulations. Wear adequate protective clothes. Eye wash facility should be in close proximity. Emergency shower should be in close proximity.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical form, colour and odour: Green liquid with slightly fatty odour.

Odour threshold: Not available

pH: Neutral

Boiling point: Not available

Melting/freezing point: Not available

Vapour pressure: <1 mbar @ 20°C

Solubility in water: Insoluble

Coefficient of oil/water distribution: Not available

Specific gravity or relative density (water = 1): 0.915 @ 20°C

Vapour density: Not available

Volatile organic compounds (VOC's): Not available

Evaporation rate: Not available.

SECTION 10 - REACTIVITY AND STABILITY DATA

Stability and reactivity: Stable product. Hazardous polymerization will not occur.

Conditions to avoid: None known

Materials to avoid: Strong oxidizing agents

Hazardous decomposition products: Irritant fumes. Carbon monoxide, methyl methacrylate.

SECTION 11 - TOXICOLOGICAL INFORMATION

LD₅₀: 5 ml/kg

LC₅₀: Not available.

Routes of exposure: Inhalation, ingestion, eye contact, skin contact.

Toxicological data:

Carcinogenicity: Not available.

Teratogenicity, mutagenicity, other reproductive effects: Not available.

Sensitization to material: Not available.

Conditions aggravated by exposure: Not available.

Synergistic materials: Not available.

SECTION 12 - ECOLOGICAL INFORMATION

Environmental effects: Viscous product with low mobility. Biodegradability unknown. No data on chemical oxygen demand.

Important environmental characteristics: Low solubility in water.

Aquatic toxicity: Unknown.

SECTION 13 - WASTE DISPOSAL

Handling for disposal: Place used and contaminated materials/packaging in closed containers. Label them for disposal or recycling.

Methods of disposal: Dispose of the waste in accordance with all applicable federal, provincial or state, and local regulations. Follow company policies and procedures.

SECTION 14 - TRANSPORTATION INFORMATION

Transportation of Dangerous Goods (TDG) information:

Shipping description: Not regulated for transportation.

International Dangerous Goods information:

IMO: Not regulated for transportation.

ICAO: Not regulated for transportation.

Other information: None.

SECTION 15 - REGULATORY INFORMATION

WHMIS information:

This product is not a controlled substance under WHMIS.

SECTION 16 - OTHER INFORMATION

Other information: The data and advice given apply when the product is sold for the stated application or applications. The product is not sold as suitable for any other application. Use of the product for applications other than as stated in this sheet may give rise to risks not mention in this sheet. You should not use the product other than for the stated application or applications without seeking advice from the supplier.

If you have purchased this product for supply to a third party for use at work, it is your duty to take all necessary steps to make sure that any person handling or using the product is provided with the information in this sheet. If you are an employer, it is your duty to tell your employees and others who may be affected of any hazards described in this sheet and of any precautions, which should be taken.

Prepared by: Molyslip (Canada) Inc.

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Additional notes or references:

Abbreviations:

ACGIH:	American Conference of Governmental Industrial Hygienists
IARC:	International Agency for Research on Cancer
IMO:	International Maritime Organization
ICAO:	International Civil Aviation Organization
mg/m ³ :	Milligrams per cubic metre
N/Ap	Not applicable
N/Av:	Not available
NIOSH:	National Institute for Occupational Safety and Health
OSHA:	Occupational Health and Safety Administration
PEL:	Permissible Exposure Limit
TLV:	Threshold Limit Value
WHMIS:	Workplace Hazardous Materials Information System