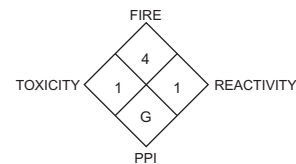


Health	1
Flammability	4
Reactivity	1
PPI	G

HMIS SYMBOL

MATERIAL SAFETY DATA SHEET

MARINE-MOLY™ AEROSOL


NFPA SYMBOL
SECTION 1 - PRODUCT NAME AND COMPANY IDENTIFICATION

Product Name: **MARINE-MOLY™ Aerosol Grade**
 Chemical Family: Mixture
 Use: Anti-gall and lubricant coating.
 Manufacturer/Supplier: Jet-Lube of Canada Ltd.
 3820 - 97 Street
 Edmonton, Alberta
 Canada T6E 5S8

Phone: (780) 463-7441 Fax: (780) 463-7454
 CCOHS: 1-800-263-8466 Emergency: (713) 674-7617

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Components	Propellant	Molybdenum Disulphide
CAS No	68476-85-7	1317 - 33-5
Wt. %	10 - 30	10 Max.
OSHA PEL	1,000 mg/L	15 mg/m ³ , as Mo
ACGIH TLV	1,000 mg/L	10 mg/m ³ , as Mo
LD50	Not Determined	> 6 g/kg (oral, rat)
LC50	Not Determined	N/A
Other:	N/A	N/A

SECTION 3 - HAZARDS IDENTIFICATION

Route of Entry: Eyes, ingestion, inhalation, skin
 Eyes: May cause irritation.
 Ingestion: May cause diarrhea.
 Inhalation: May cause dizziness, nausea.
 Skin: May cause possible rash for persons with hypersensitivity.

SECTION 4 - FIRST AID MEASURES

Eyes: Flush with water until all residual material is gone. If irritation persists, seek medical help.
 Ingestion: Do not induce vomiting. Wash out mouth. Contact a physician immediately.
 Inhalation: Remove to fresh air. If respiratory difficulty persists, seek medical help.
 Skin: Remove by wiping or with a waterless hand cleaner, followed by washing with soap and water.

SECTION 5 - FIRE FIGHTING MEASURES

Flammability: Highly flammable.
 Extinguishing Media: Foam, dry chemical, halon, carbon dioxide, sand, earth or water mist.
 Unsuitable Extinguishing Media: Water jet.
 Flash Point (COC): >293°C (560°F)
 Explosive Properties: LEL - 0.9% UEL - 7%
 Autoignition Temperature: >360°C (680°F)
 Hazardous Combustion Products: Oxides of carbon, airborne soot, sulphur, nitrogen.
 Protective Equipment: Self-contained breathing apparatus.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Spillage: Scoop up excess, then wipe down the affected area and pick up residue with diatomaceous earth to avoid a walking hazard.
 Environmental Precautions: Do not allow to enter drains.

SECTION 7 - HANDLING AND STORAGE

Handling Procedures: No special precautions necessary. Do not pressurize, cut, heat or weld empty containers.
 Storage Requirements: Store in a cool, well ventilated place.
 Engineering Controls: Keep containers closed when not in use. Do not handle or store near open flame or sources of ignition.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION
Personal Protection Equipment (PPE's)

Respiratory Protection: Breathing apparatus in confined areas.
 Hand Protection: Protective gloves for hypersensitive persons.
 Eye Protection: Protective glasses if applied to moving parts.
 Body Protection: Protective overalls.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Fluid
 Odour: Light Petroleum
 Odour Threshold: Not Determined
 Vapor Pressure: <0.05 kPa
 Boiling Point: <371°C (700°F)
 pH: Neutral
 Density: 1.06 kg/L
 Evaporation Rate (Butyl Acetate = 1.0): <0.01
 Specific Gravity: Not Determined
 Vapor Density: Not Determined
 Freezing Point: Not Determined
 Melting Point: N/A

SECTION 10 - STABILITY AND REACTIVITY

Stability: Chemically stable under normal conditions.
 Photoreactive Agents: None
 Conditions to Avoid: Powerful sources of ignition.
 Materials to Avoid: Strong acids and oxidizing agents.
 Hazardous Decomposition Products: Smoke, airborne soot, hydrocarbons and oxides of carbon, sulphur and nitrogen.

SECTION 11 - TOXICOLOGICAL INFORMATION

Exposure Limit of Material: See Section 2
 LC50 of Ingredients, Species and Routes: See Section 2
 LD50 of Ingredients, Species and Routes: See Section 2
 Teratogenicity, Embryotoxicity and/or Fetotoxicity: Not Available
 Mutagenicity: Not Available
 Effects of Long-Term (Chronic) Exposure: Regarding dermal, long term application may produce possible skin irritation. Long term study on the effects of exposure on animals is not available.
 Carcinogen: NTP: No IARC: No OSHA: No

SECTION 12 - ECOLOGICAL INFORMATION

Possible Effects: May generate oil fractions that could act as a marine pollutant, but highly unlikely.
 Behavior: Relatively well behaved. Bioaccumulation potential almost nil.
 Environmental Fate: Will float and spread across water, making it a nuisance contaminant.

SECTION 13 - DISPOSAL CONSIDERATIONS

Consult federal, provincial and local regulations for disposal of aerosol products.

SECTION 14 - TRANSPORT INFORMATION

TDG (Canada): The mixture is not specifically listed in the Canadian Transportation of Dangerous Goods regulations. Mixture contains hazardous components.
 Shipping Name: AEROSOLS, Flammable
 UN No.: UN 1950
 Packing Group: II
 Classification: Class 2.1, Flammable Gases
 Labelling Requirements: Limited Quantities label for containment less than LQI of 6 L net contents per containment. Class 2.1 label if >6 L net contents per containment or large containment.
 Placard Requirements: Limited Quantities - None Required
 Large Containment - Class 2.1

SECTION 15 - REGULATORY INFORMATION

WHMIS: Classes A, B-5
 DSL: All components listed.
 CPR Compliance: This product has been classified in accordance with the hazard criteria of the Controlled Product Regulations. The MSDS contains all of the information required by these regulations.

SECTION 16 - OTHER INFORMATION

CPR - Controlled Product Regulations
 DSL - Domestic Substance List
 LQI - Limited Quantity Index

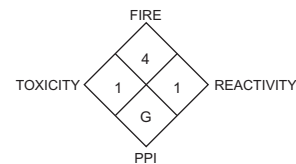
As of issue date, the information contained herein is accurate and reliable to the best of Jet-Lube of Canada Ltd.'s knowledge. Jet-Lube of Canada Ltd. does not warrant or guarantee its accuracy or reliability and shall not be liable for any loss or damage arising out of the use thereof. It is the users' responsibility to satisfy themselves that the information offered for their consideration is suitable for their particular use.

Prepared By: Jet-Lube of Canada Ltd. - Laboratory
Last Date of Revision: August 28, 2003

Health	1
Flammability	4
Reactivity	1
PPI	G

MATERIAL SAFETY DATA SHEET

MARINE-MOLY™ BULK



HMIS SYMBOL

NFPA SYMBOL

SECTION 1 - PRODUCT NAME AND COMPANY IDENTIFICATION

Product Name: **MARINE-MOLY™ Bulk**
 Chemical Family: Mixture
 Use: Anti-seize compound and lubricant.
 Manufacturer/Supplier: Jet-Lube of Canada Ltd.
 3820 - 97 Street
 Edmonton, Alberta
 Canada T6E 5S8

Phone: (780) 463-7441 Fax: (780) 463-7454
 CCOHS: 1-800-263-8466 Emergency: (713) 674-7617

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Components	Molybdenum Disulphide
CAS No	1317 - 33-5
Wt. %	30 Max.
OSHA PEL	15 mg/m ³ , as Mo
ACGIH TLV	10 mg/m ³ , as Mo
LD50	>6 g/kg (oral, rat)
LC50	N/A
Other:	N/A

SECTION 3 - HAZARDS IDENTIFICATION

Route of Entry: Eyes, ingestion, inhalation, skin
 Eyes: May cause irritation.
 Ingestion: May cause diarrhea.
 Inhalation: May cause dizziness, nausea.
 Skin: May cause possible rash for persons with hypersensitivity.

SECTION 4 - FIRST AID MEASURES

Eyes: Flush with water until all residual material is gone. If irritation persists, seek medical help.
 Ingestion: Do not induce vomiting. Wash out mouth. Contact a physician immediately.
 Inhalation: Remove to fresh air. If respiratory difficulty persists, seek medical help.
 Skin: Remove by wiping or with a waterless hand cleaner, followed by washing with soap and water.

SECTION 5 - FIRE FIGHTING MEASURES

Flammability: Nil at ambient temperature.
 Extinguishing Media: Foam, dry chemical, halon, carbon dioxide, sand, earth or water mist.
 Unsuitable Extinguishing Media: Water jet.
 Flash Point (COC): >293°C (560°F)
 Explosive Properties: LEL - 0.9% UEL - 7%
 Autoignition Temperature: >360°C (680°F)
 Hazardous Combustion Products: Oxides of carbon, airborne soot, sulphur, nitrogen.
 Protective Equipment: Self-contained breathing apparatus.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Spillage: Scoop up excess, then wipe down the affected area and pick up residue with diatomaceous earth to avoid a walking hazard.
 Environmental Precautions: Do not allow to enter drains.

SECTION 7 - HANDLING AND STORAGE

Handling Procedures: No special precautions necessary. Do not pressurize, cut, heat or weld empty containers.
 Storage Requirements: Store in a cool, well ventilated place.
 Engineering Controls: Keep containers closed when not in use. Do not handle or store near open flame or sources of ignition.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal Protection Equipment (PPE's)
 Respiratory Protection: Breathing apparatus in confined areas.
 Hand Protection: Protective gloves for hypersensitive persons.
 Eye Protection: Protective glasses if applied to moving parts.
 Body Protection: Protective overalls.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Paste
 Odour Threshold: Not Determined
 Vapor Pressure: <0.01 kPa
 Boiling Point: <371°C (700°F)
 pH: Neutral
 Density: 1.06 kg/L
 Evaporation Rate (Butyl Acetate = 1.0): <0.01
 Odour: Light Petroleum
 Specific Gravity: N/A
 Vapor Density: Not Determined
 Freezing Point: Not Determined
 Melting Point: None

SECTION 10 - STABILITY AND REACTIVITY

Stability: Chemically stable under normal conditions.
 Photoreactive Agents: None
 Conditions to Avoid: Powerful sources of ignition, extreme temperatures.
 Materials to Avoid: Strong acids and oxidizing agents.
 Hazardous Decomposition Products: Smoke, airborne soot, hydrocarbons and oxides of carbon, sulphur and nitrogen.
 Residue mainly comprised of soot and mineral oxides.

SECTION 11 - TOXICOLOGICAL INFORMATION

Exposure Limit of Material: See Section 2
 LC50 of Ingredients, Species and Routes: See Section 2
 LD50 of Ingredients, Species and Routes: See Section 2
 Teratogenicity, Embryotoxicity and/or Fetotoxicity: Not Available
 Effects of Long-Term (Chronic) Exposure: None Known
 Carcinogen NTP: No IARC: No OSHA: No

SECTION 12 - ECOLOGICAL INFORMATION

Possible Effects: May generate oil fractions that could act as a marine pollutant in extreme cases, but is highly unlikely.
 Behavior: Relatively well behaved. Bioaccumulation potential nil.
 Environmental Fate: Highly unlikely to cause widespread contamination. Non-toxic to marine or land organisms.

SECTION 13 - DISPOSAL CONSIDERATIONS

Consult federal, provincial and local regulations for disposal.

SECTION 14 - TRANSPORT INFORMATION

TDG (Canada): The mixture is not specifically listed in the Canadian Transportation of Dangerous Goods regulations. Note the following modes of transport:
 Land and Rail: Not Regulated
 Marine: Not Regulated

SECTION 15 - REGULATORY INFORMATION

WHMIS: Not Regulated
 DSL: All components listed.
 CPR Compliance: This product has been classified in accordance with the hazard criteria of the Controlled Product Regulations. The MSDS contains all of the information required by these regulations.

SECTION 16 - OTHER INFORMATION

CPR - Controlled Product Regulations
 DSL - Domestic Substance List

As of issue date, the information contained herein is accurate and reliable to the best of Jet-Lube of Canada Ltd.'s knowledge. Jet-Lube of Canada Ltd. does not warrant or guarantee its accuracy or reliability and shall not be liable for any loss or damage arising out of the use thereof. It is the users' responsibility to satisfy themselves that the information offered for their consideration is suitable for their particular use.

Prepared By: **Jet-Lube of Canada Ltd. - Laboratory**
 Last Date of Revision: **August 28, 2003**