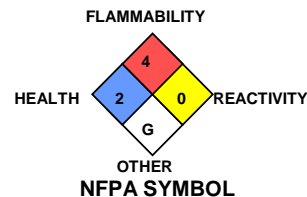


Health	2
Flammability	4
Reactivity	0
PPI	G

MATERIAL SAFETY DATA SHEET

WLD - AEROSOL



HMIS SYMBOL

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

Product Name: **WLD – Aerosol**
 Chemical Family: Mixture
 Use: Petroleum based lubricant for gears, chains and wire rope.
 Manufacturer/Supplier: **Jet-Lube of Canada Ltd.**
 3820 – 97 Street NW
 Edmonton, Alberta
 Canada T6E 5S8
 Phone: (780) 463-7441 Fax: (780) 463-7454
 CCOHS: 1-800-668-4284

Emergency:

CANUTEC PH: (613) 996-6666 Cell: *666 TTY/TDD: 1-888-675-6863

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Components	TCL	Graphite (Natural)	Propellant	Molybdenum Disulfide
CAS NO.	79-01-6	7782-42-5	68476-85-7	1317-33-5
WT %	15 - 40	10 - 30	10 - 30	1 - 5
OSHA PEL	270mg/m ³ , TWA	2.5mg/m ³ (dust)	1000ppm	15 mg/m ³ (dust)
ACGIH TLV	269mg/m ³ , TWA	2.0mg/m ³ (dust)	1000ppm	10 mg/m ³ (inhalable fraction)
LD50	7200mg/L (oral, rat)	>10000 mg/kg (oral, rat)	Not Available	2000 mg/kg (rat, oral)
LC50	8000ppm (4hr exposure, rat)	64400 mg/m ³	Not Available	>2820 mg/m ³ (rat)

SECTION 3 - HAZARDS IDENTIFICATION

Route of Entry: Eyes, Inhalation, Ingestion, Skin
 Eyes: May cause irritation to eyes.
 Inhalation: Viscous nature may block breathing passages if inhaled.
 Ingestion: May cause diarrhea if ingested.
 Skin: May cause irritation after prolonged skin exposure, especially for persons with hyper sensitivity.

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.
 Skin: Remove by wiping or with a waterless hand cleaner, followed by washing with soap and water.
 Inhalation: Clear air passage. If breathing difficulty continues seek medical help.

SECTION 5 - FIRE FIGHTING MEASURES

Flammability: Nil at ambient temp
 Extinguishing Media: Use dry chemicals, foam, halon, CO₂
 Flash Point (OC): -60°C (-76°F)
 Flammable Limits: LFL – 8% UFL – 10.5%
 Explosive Properties: LEL – 8% UEL - 10.5%
 Explosion Data: Sensitivity to Static Discharge – Not Available
 Sensitivity to Impact – Not Available
 Auto-ignition Temp: Not Available
 Hazardous Combustion Products: Oxides of carbon, smoke and irritating vapors as products of incomplete combustion.
 Protective Equipment: Self-contained breathing apparatus.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

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

SECTION 7 - HANDLING AND STORAGE

Handling Procedures: No special handling precautions necessary. Do not pressurize, cut, heat or weld empty containers.
 Storage Requirements: Store in a cool, well ventilated place

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits:	ACGIH	OSHA
TCL	269mg/m ³	270mg/m ³
Graphite	2.0mg/m ³	2.5mg/m ³
Propellant	1000ppm	1000ppm
Molybdenum Disulfide	10mg/m ³	15mg/m ³

Engineering Controls: If user's operation generates vapors or mists, use ventilation to keep exposure to airborne contaminants below the exposure limit. Make up air should always be supplied to balance air removed by exhaust ventilation. Ensure eyewash station and safety shower are close to work station.

Personal Protective Equipment (PPE's):
 Respiratory Protection: No protection needed under normal use conditions.
 Hand Protection: Wear body protection appropriate to handling activities. Chemical resistant gloves, impervious gloves.
 Eye Protection: Safety glasses with side shields.
 Body Protection: Protective overalls.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Aerosol	Odor/Appearance:	Solvent/Black
Odor Threshold:	Not Available	Specific Gravity (Typical):	1.10
Vapor Pressure:	100 kPa	Vapor Density:	>1
Boiling Point:	Not Available	Melting Point:	Not Available
Freezing Point:	Not Available		
pH:	Neutral	Water Solubility:	Nil
Density (Typical):	1.10 g/cm ³	Volatile %:	17
Evaporation Rate (Butyl Acetate = 1.0):	>6.0	Coefficient of Water/Oil Distribution:	Not Available

SECTION 10 - STABILITY AND REACTIVITY

Stability: Chemically stable under normal conditions. No photo-reactive agents.
Conditions to Avoid: Powerful sources of ignition and extreme temperatures.
Materials to Avoid: Metal oxides.
Hazardous Decomposition Products: Not known based on supplied information.

SECTION 11 - TOXICOLOGICAL INFORMATION

Effects of Short-Term (Acute) Exposure: Short term exposure can lead to mild skin irritation.
Effects of Long-Term (Chronic) Exposure: Repeated exposure may lead to adverse liver effects.
Irritancy of Product: Product is irritating to eyes and skin.
Skin Sensitization: Product is not a known skin sensitizer.
Respiratory Sensitization: May cause irritation to respiratory tract. Vapors may cause drowsiness and dizziness.
Carcinogenicity: Product contains one or more substances that are classified as carcinogenic (Group 1), probably carcinogenic (Group 2A) or possibly carcinogenic (2B) to humans.
IARC: Group 2A, Group 2B, Group 3
ACGIH: A2
NTP: Reasonably Anticipated
Reproductive Toxicity: No effects known. Teratogenicity: No effects known. Embryo-toxicity: No effects known.
Mutagenicity: Product contains a known animal mutagen. It is not possible to draw conclusions from mutagenic studies of people with occupational exposure to trichloroethylene.
Name of Synergistic Products/Effects: Not Available

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity: Harmful to aquatic organisms may cause long-term adverse effects in the aquatic environment.

SECTION 13 - DISPOSAL CONSIDERATIONS

Consult federal, provincial and local regulations for disposal of petroleum products.
Do not incinerate.
Do not dump into any sewers, on the ground or into any body of water.

SECTION 14 - TRANSPORT INFORMATION

TDG (Canada): The mixture is not specifically listed in the Canadian Transportation of Dangerous Goods regulations. The mixture is not regulated.
Shipping Name: AEROSOLS, Flammable
UN No.: UN1950
Packing Group: II
Classification: CLASS 2.1, Flammable Gases
Labeling Requirements: Limited Quantity labels 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: A, B-5, D-2
DSL: All components listed
CPR Compliance: This product has been classified in accordance with the hazard criteria of the Controlled Product Regulations and the MSDS contains all of the information required by those 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: June 13, 2016