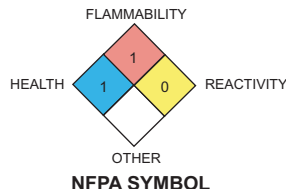


Health	1
Flammability	1
Reactivity	0
PPE	H

MATERIAL SAFETY DATA SHEET



GEAR GUARD™ BULK

HMIS SYMBOL

SECTION 1 - PRODUCT NAME AND COMPANY IDENTIFICATION

Product Name: **GEAR GUARD™ Bulk**
 Chemical Family: Mixture
 Use: Lubricant for gears.
 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:
 CANUTEC Phone: (613) 996-6666 Cellular: *666 TTY/TDD: 1-888-675-6863

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Components	Halocarbon	Petroleum Distillate
CAS No	79-01-6	64741-96-4
Wt. %	20 - 30	70 - 80
OSHA PEL	270 mg/m ³ on TWA	5 mg/m ³
ACGIH TLV	269 mg/m ³ on TWA	5 mg/m ³
LC50	8000 ppm (4-hr. exposure, rat)	Not Determined
LD50	7200 mg/L (oral, rat)	Not Determined
Other	N/A	10 mg/m ³

SECTION 3 - HAZARDS IDENTIFICATION

Route of Entry: Eyes, ingestion, inhalation, skin
 Eyes: May cause severe eye irritation.
 Ingestion: May cause a burning sensation in the mouth and throat, followed by abdominal pain and signs/symptoms of central nervous system depression, as described by inhalation exposure below.
 Inhalation: May cause irritation in the nose and throat and central nervous system depression.
 Skin: May cause severe skin irritation. Prolonged contact with the liquid can cause reddening of the skin, irritation and blister formation.

SECTION 4 - FIRST AID MEASURES

Eyes: Quickly blot or brush away excess chemicals. Immediately flush the contaminated eye (s) with lukewarm, gentle flowing water for 20 minutes or until the chemical is removed.
 Ingestion: Do not induce vomiting. Have the victim drink 240 to 300 ml of water to dilute material in the stomach. Obtain medical attention immediately.
 Inhalation: Remove to fresh air. If respiratory difficulty persists, seek medical help.
 Skin: Quickly and gently blot or brush away excess chemical. Wash gently and thoroughly with water and non abrasive soap for 20 minutes or until the chemical is removed.

SECTION 5 - FIRE FIGHTING MEASURES

Flammability: Flammable.
 Extinguishing Media: Foam, dry chemical, water fog or CO₂.
 Flash Point (COC): 221°C (430°F)
 Explosive Properties: LEL - 0.9% UEL - 7.0%
 Autoignition Temperature: 260°C (500°F)
 Hazardous Combustion Products: Hydrogen chloride gas, phosgene and other toxic and irritating compounds, such as chlorine and dichloroacetyl chloride.
 Protective Equipment: Breathing apparatus.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Spillage: Ensure clean up is conducted by trained personnel only. Ventilate area. Remove sources of heat or flame to prevent formation of hazardous decomposition products.
 Environmental Precautions: Avoid disposal into drains.

SECTION 7 - HANDLING AND STORAGE

Handling Procedures: Extremely important that engineering controls are operating and the PPE requirements and personal hygiene measures are being followed.
 Storage Requirements: Store in a cool, dry, well ventilated place, out of direct sunlight and away from heat and ignition sources.
 Engineering Controls: Includes mechanical ventilation, process or personnel inclusion, control of process conditions and process modification.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal Protection Equipment (PPE's)
 Respiratory Protection: Breathing apparatus in confined space 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: Semi-Viscous Liquid Odour: Petroleum
 Odour Threshold: Not Determined Specific Gravity (Typical): 9.15
 Vapor Pressure: <0.05 kPa Vapor Density: >5
 Boiling Point: >74°C (165°F) Water Solubility: Nil
 pH: Neutral Melting Point: Not Determined
 Density (Typical): 9.15 kg/L % Volatile: 15
 Evaporation Rate (Butyl Acetate = 1.0): <0.01

SECTION 10 - STABILITY AND REACTIVITY

Stability: Moderately stable.
 Photoreactive Agents: None
 Conditions to Avoid: Powerful sources of ignition, extreme temperatures.
 Materials to Avoid: Alkali metals, strong bases and strong oxidizing agents.

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: Some studies have shown liver effects occasionally, but more commonly at near lethal concentrations.
 Carcinogen NTP: N/A IARC: Yes OSHA: N/A

SECTION 12 - ECOLOGICAL INFORMATION

For specific requirements, contact the regulatory authorities in the jurisdiction where the MSDS is intended to be used.
 Behavior: Currently no data.
 Environmental Fate: Highly volatile, should evaporate to the atmosphere. More dense than water.

SECTION 13 - DISPOSAL CONSIDERATIONS

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

SECTION 14 - TRANSPORT INFORMATION

TDG (Canada): The mixture is not specifically listed under the Canadian Transportation of Dangerous Goods regulations. Mixture is not regulated.
 Shipping Name: N/A
 UN No.: N/A
 Packing Group: N/A
 Classification: N/A
 Labelling Requirements: N/A
 Placard Requirements: N/A

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
 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 7, 2007