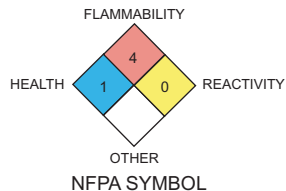


Health	1
Flammability	4
Reactivity	0
PPE	H

# MATERIAL SAFETY DATA SHEET



## GEAR GUARD - AEROSOL

### HMIS SYMBOL

### SECTION 1 - PRODUCT NAME AND COMPANY IDENTIFICATION

Product Name: **GEAR GUARD Aerosol**  
 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	Petroleum Distillate	Halocarbon	Propellant
CAS No	64741-96-4	79-01-6	68476-85-7
Wt. %	70 - 80	20 - 30	25
OSHA PEL	5 mg/m <sup>3</sup>	270 mg/m <sup>3</sup> on TWA	1000 ppm
ACGIH TLV	5 mg/m <sup>3</sup>	269 mg/m <sup>3</sup> on TWA	1000 ppm
LC50	Not Determined	Not Determined	Not Determined
LD50	Not Determined	Not Determined	Not Determined
Other	10 mg/m <sup>3</sup>	N/A	N/A

### SECTION 3 - HAZARDS IDENTIFICATION

Route of Entry: Eyes, ingestion, inhalation, skin  
 Eyes: May cause severe eye irritation.  
 Inhalation: May cause irritation to the nose and throat and central nervous system depression.  
 Ingestion: May cause a burning sensation in the mouth and throat followed by abdominal pain and signs and symptoms of central nervous system depression, as described for inhalation exposure above.  
 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 chemical. Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 20 minutes or until the chemical is removed.  
 Inhalation: Remove to fresh air. If respiratory difficulty persists, seek medical help.  
 Ingestion: Do not induce vomiting. Have victim drink 240 to 300 ml of water to dilute material in stomach. Obtain medical attention immediately.  
 Skin: Quickly and gently blot 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, but nil at ambient temperature.  
 Extinguishing Media: Use dry chemicals, foam, halon or CO<sub>2</sub>  
 Flash Point (COC): 221°C (430°F) for Bulk; -60°C (-76°F) for Propellant  
 Explosive Properties: LEL - 8.0% UEL - 10.5%  
 Autoignition Temperature: Not Determined  
 Hazardous Combustion Products: Hydrogen chloride gas, phosgene and other toxic and irritating compounds, such as chlorine and dichloroacetyl chloride.  
 Protective Equipment: Self-contained 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 area, 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: Aerosol  
 Odour Threshold: Not Determined  
 Vapor Pressure: <0.05  
 Boiling Point: >74°C (165°F)  
 pH: Neutral  
 Density, Typical: 9.15 kg/L  
 Evaporation Rate (Butyl Acetate = 1.0): <0.05  
 Odour: Petroleum  
 Specific Gravity, Typical: 9.15  
 Vapor Density: >5  
 Water Solubility: Nil  
 Melting Point: Not Determined  
 % Volatile: 15

### 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 relevant regulatory authorities in the jurisdiction where the MSDS is intended to be used.

Behavior: Currently no data.  
 Environmental Fate: Highly volatile, should evaporate to atmosphere. More dense than water.

### 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: None  
 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, B5, D2  
 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**