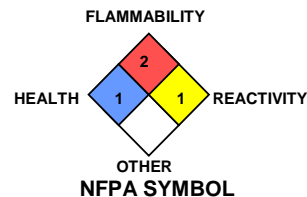


Health	1
Flammability	2
Reactivity	1
PPI	B

# MATERIAL SAFETY DATA SHEET

## RUST GUARD™ - Bulk



### HMIS SYMBOL

### SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

Product Name: **Rust Guard™ - Bulk**  
 Chemical Family: Mixture  
 Use: Rust and corrosion preventive film  
 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	<u>Medium aliphatic solvent</u>	<u>Liquefied</u>
	<u>naphtha (Petroleum)</u>	<u>Petroleum Gas</u>
CAS NO.	64742-88-7	68476-85-7
WT %	30 - 60	10 - 30
OSHA PEL	500 ppm	1000 ppm
ACGIH TLV	Not Available	Not Available
LD50	Not Available	Not Available
LC50	Not Available	Not Available

### 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: Flammable  
 Extinguishing Media: Use dry chemicals, foam, halon, CO<sub>2</sub>  
 Flash Point (OC): 38°C (100°F)  
 Flammable Limit: LFL – 0.6% UFL - 6.5%  
 Explosive Properties: LEL – 0.6% UEL - 6.5%  
 Autoignition Temp: >210°C (410°F)  
 Explosion Data: Sensitivity to Impact – Not Available  
 Sensitivity to Static Discharge – 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

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.

Exposure Limits:	ACGIH TLV	OSHA PEL
<u>Medium aliphatic solvent</u>		
<u>Naphtha (Petroleum)</u>	Not Available	500 ppm
<u>Liquefied Petroleum Gas</u>	Not Available	1000 ppm

#### Personal Protective Equipment (PPE's):

Respiratory Protection: None required.  
 Hand Protection: Protective gloves for hypersensitive persons.  
 Eye Protection: Protective glasses if applied to moving parts.  
 Body Protection: Protective Overalls.

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## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

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Physical State: Green/blue green fluid Odor/Appearance: Petroleum/Blue  
Odor Threshold: Not Available Specific Gravity (Typical): 0.85  
Vapor Pressure: <2.0 kPa Vapor Density: >5  
Boiling Point: <149°C (300°F) Melting Point: 138°C (280°F)  
pH: Neutral % Volatile: 50  
Density (Typical): 0.85 g/cm<sup>3</sup> VOC: 360g/liter  
Evaporation Rate (Butyl Acetate = 1.0): <0.01  
Coefficient of Water/Oil Distribution: Not Available

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## SECTION 10 - STABILITY AND REACTIVITY

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Stability: Chemically stable under normal conditions. No photoreactive agents.  
Conditions to Avoid: Powerful sources of ignition and extreme temperatures.  
Materials to Avoid: Strong acids and oxidizing agents.  
Hazardous Decomposition Products: May release CO<sub>x</sub>, smoke and irritating vapors when heated to decomposition.

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## SECTION 11 - TOXICOLOGICAL INFORMATION

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Effects of Short-Term (Acute) Exposure: No immediate short term toxic effects known.  
Effects of Long-Term (Chronic) Exposure: Long term dermal application may produce possible skin irritation. Elevated temperatures or mechanical action may form vapors or fumes. Inhalation of oil mists or vapors may cause irritation of the upper respiratory tract.  
Irritancy of Product: Product is not a known irritant.  
Skin Sensitization: Product is not a known skin sensitizers.  
Respiratory Sensitization: Product is not a known skin sensitizer.  
Carcinogen: IRAC: Not Available ACGIH: Not Available  
Reproductive Toxicity: Not Applicable  
Teratogenicity: Not Applicable Embryotoxicity: Not Applicable Mutagenicity: Not Applicable  
Name of Synergistic Products/Effects: Effects not known.

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## SECTION 12 - ECOLOGICAL INFORMATION

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

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## SECTION 13 - DISPOSAL CONSIDERATIONS

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Consult federal, provincial and local regulations for disposal of petroleum products.  
Do not incinerate.

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## SECTION 14 - TRANSPORT INFORMATION

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TDG (Canada): The mixture is not specifically listed in the Canadian Transportation of Dangerous Goods regulations. Mixture contains hazardous components  
Shipping Name: Flammable Liquid, N.O.S  
UN No.: UN1993  
Packing Group: III  
Classification: CLASS 3 Flammable Liquid N.O.S  
Labeling Requirements: Limited Quantity labels for containment less than LQI of 6 L net contents per containment.  
Class 3 Label if > 6 L net contents per containment or large containment.  
Placard Requirements: Limited Quantities – None required.  
Large Containment – Class 3

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## SECTION 15 - REGULATORY INFORMATION

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WHMIS: B-2, D-2B  
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.

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## SECTION 16 - OTHER INFORMATION

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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 5, 2013