

Chain Guard Industrial Lubricants
21 Amber Street, # 9
Markham, Ontario, L3R 4Z3
Canada
905.752.LUBE (5823)

PRODUCT: Chain Guard Formula 600 - 400g

CODE: AD-510000

SECTION 01: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Item Numbers..... AD-510000
Product Identity..... Chain Guard Formula 600 - 400g
Supplier Chain Guard Industrial Lubricants
21 Amber St, 9
Markham, Ontario
Canada
L3R 4Z3
905-752-LUBE (5823)

24 hour emergency telephone number..... CANUTEC: (613)-996-6666 collect.
Recommended Use..... Food grade chain lubricant where incidental food contact may occur.
Chemical Family..... Synthetic Ester Based Lubricant.

SECTION 02: HAZARDS IDENTIFICATION



Hazard Classification:
Physical Hazards..... Flammable Aerosols - Category 2. Gases Under Pressure - Liquefied Gas .
Health Hazards..... Acute Toxicity Oral - Category 5.
Environmental Hazards..... Not Classified.

Label Elements:
Signal Word..... WARNING.
Hazard Statement..... Flammable Aerosol. Pressurized container: may burst if heated. Contains gas under pressure; may explode if heated. May be harmful if swallowed.

Precautionary Statements:
Prevention..... Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use.
Response..... Call a POISON CENTER if you feel unwell.
Storage..... Protect from sunlight. Do not expose to temperatures exceeding 50°C /122°F. Store in a well-ventilated place.
Disposal..... Dispose of contents/ container in accordance with local/regional/national/international regulations.
Hazard(s) not otherwise classified (HNOC).. None Known.

SECTION 03: COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS	CAS #	WT. %
Isobutane	75-28-5	10-30
Propane	74-98-6	10-30

SECTION 04: FIRST AID MEASURES

Inhalation..... If inhaled, remove to fresh air. If not breathing, give artificial respiration and obtain immediate medical assistance.

Skin Contact..... Immediately flush the contaminated skin with soap and water. If this chemical penetrates clothing, immediately remove the clothing and flush the skin with water. If irritation persists after washing, get medical attention .

Eye Contact..... Check for and remove contact lenses. Immediately flush eyes with water for a minimum of 15 minutes keeping eyelids open. Consult a doctor if any irritation occurs.

Ingestion..... If swallowed, call a Poison Control Center or doctor immediately. Do not induce vomiting.

Most important symptoms/effects, acute and delayed N/A.

Indication of immediate medical attention and special treatment needed Provide general supportive measures and treat symptomatically. In case of shortness of breath give oxygen. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

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SECTION 05: FIRE FIGHTING MEASURES

Suitable Extinguishing Media..... Dry chemical powder. Carbon dioxide. Foam, water spray or fog.
 Unsuitable Extinguishing Media..... Do not use water jet as an extinguisher, as this will spread the fire.
 Specific Hazards Arising from the Chemical. In case of fire, the following can be released: Carbon Oxides (CO, CO2), Other unidentified Organic Compounds.
 Special Protective Equipment and Firefighters must use standard protective equipment including flame retardant coat, helmet
 Precautions for Firefighters with water to prevent vapor pressure build up. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Remove undamaged containers from immediate hazard area if it is safe to do.

SECTION 06: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Avoid walking through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see Section 08).
 Methods and Materials for Containment and Cleaning Up Wash with plenty of water.
 Environmental Precautions..... Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination.

SECTION 07: HANDLING AND STORAGE

Precautions for Safe Handling..... Avoid breathing vapours or mists. Never pierce, drill, grind, cut, saw or weld any empty container. Do not eat or drink while working. See Section 08 for Protective Personal Equipments.
 Conditions for Safe Storage including any ... Keep container tightly closed in a dry, cool and well-ventilated place. Keep away from heat, incompatibilities sparks, and flame. Do not store in direct sunlight.

SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

INGREDIENTS	ACGIH TLV		OSHA PEL		NIOSH
	TWA	STEL	PEL	STEL	
Isobutane	800 ppm	1000 ppm	800 ppm	Not available	800 ppm (TWA)
Propane	2,500 ppm	Not available	1,000 ppm	Not available	1,000 ppm
Appropriate Engineering Controls.....	Local exhaust ventilation required to maintain the point of use below the Threshold Limit Value if unprotected personnel are involved. Ensure that eyewash stations and safety showers are available.				
Individual Protection Measures:					
Eye/Face Protection.....	Chemical splash goggles are recommended.				
Skin Protection.....	Use appropriate protective clothing to avoid skin contact if required.				
Respiratory Protection.....	Typical use of this product under normal conditions does not require the use of respiratory protection. If airborne concentrations are above the applicable exposure limits (listed below), use NIOSH approved respiratory protection .				
Thermal Hazards.....	None Known.				
General Hygiene Considerations.....	When using, do not eat, drink or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment prior to use.				

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

Form..... Aerosol.
 Physical Appearance..... Yellowish liquid .
 Odor..... Characteristic .
 Odor Threshold (ppm)..... N/A.
 Specific Gravity (Liquid)..... 0.978-0.985.
 Specific Gravity (Aerosol)..... 0.891-0.897.
 Vapour Density (Air=1)..... N/A.
 Aerosol Vapour Pressure (psig, 21°C)..... 60-80.
 pH..... N/A.
 Boiling Point liquid (°C)..... N/A.
 Melting/Freezing Point (°C)..... <-30. (Liquid).
 Flash Point (°C), Method..... >300. (Liquid). Closed cup.
 Flashback..... No.
 Evaporation Rate (n-Butyl Acetate = 1)..... N/A.
 VOC Content..... N/A.
 Solubility in water..... Insoluble.

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SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

Auto Ignition Temperature (°C)..... 462. (Isobutane).
 Lower Flammable Limit (% Vol)..... 1.4. (Isobutane).
 Upper Flammable Limit (% Vol)..... 8.3. (Isobutane).
 Coefficient of Water/Oil Distribution..... N/A.
 Viscosity..... 220 cst @ 40 C. (Liquid).

SECTION 10: STABILITY AND REACTIVITY

Reactivity No hazardous reactions.
 Chemical Stability..... Stable under the recommended storage and handling conditions.
 Possibility of Hazardous Reactions..... It may catch fire on contact with oxidizing mineral acids.
 Conditions to Avoid..... Heat, flames, sparks.
 Incompatible Materials..... None known.
 Hazardous Decomposition Products..... In combustion emits toxic fumes.

SECTION 11: TOXICOLOGICAL INFORMATION

INGREDIENTS	LC50	LD50
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Isobutane	658 mg/L (4hrs,Rat)	Not available
Propane	658 mg/L (4hrs,Rat)	Not available

Information on Likely Routes of Exposure:

Routes of entry - Inhalation..... Yes.
 Routes of entry - Skin & Eye..... No.
 Routes of entry - Ingestion..... No.
 Routes of entry - Skin Absorption..... No.

Symptoms Related to the Physical, Chemical and Toxicological Characteristics

Acute Toxicity..... N/A.
 Skin Corrosion/Irritation..... N/A.
 Serious Eye Damage/Eye Irritation..... N/A.
 Respiratory or Skin Sensitization..... N/A.
 Germ Cell Mutagenicity..... No data available to indicate product or any components present at greater than 0.1% are mutagenic.
 Carcinogenicity..... N/A.
 Reproductive Toxicity..... Based on available data, the classification criteria are not met.
 STOT - Single Exposure..... No data available .
 STOT - Repeated Exposure..... No data available .
 Aspiration Hazard..... No data available .
 Chronic Effects..... No known adverse effects .

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity..... May be dangerous for the environment. No data is available on the product itself. Should not be released into the environment.
 Persistence and degradability The product itself has not been tested.
 Bioaccumulation Potential..... The product itself has not been tested.
 Mobility in Soil..... The product itself has not been tested.
 Other Adverse Effects..... None Known.

SECTION 13: DISPOSAL CONSIDERATIONS

Appropriate Disposal Methods..... This material and its container must be disposed of as hazardous waste. Avoid release to the environment. Spilled material and water rinses are classified as chemical waste and must be disposed of in accordance with current local, provincial and federal regulations.

SECTION 14: TRANSPORT INFORMATION

TDG (Canada- Road)..... AEROSOLS, Class 2.1, UN1950.
 DOT (US-Road)..... AEROSOLS, Class 2.1, UN1950, LTD QTY, Consumer commodity ORM-D.
 IMDG (International- Marine)..... AEROSOLS, Class 2.1, UN1950.
 IATA (International- Air)..... AEROSOLS, Class 2.1, UN1950, LTD QTY.

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SECTION 15: REGULATORY INFORMATION

Canada Regulations:..... WHMIS Classification. A: Compressed gas. B5: Flammable Aerosol.
 Canadian Environmental Protection Act All ingredients listed appear on the Domestic Substances List (DSL).
 (CEPA)
 US Regulations..... Environmental Protection Act: Constituents of this product are included on the TSCA
 inventory. This product is considered hazardous under the OSHA Hazard Communication
 Standard.

SECTION 16: OTHER INFORMATION

Disclaimer..... The information contained herein is based on data considered accurate. No guarantee or
 warranty is expressed or implied regarding the accuracy of this data or the results obtained
 from the use thereof. The SDS provider assumes no responsibility for personal injury or
 property damage to vendors or users or third parties, caused by the material. Such vendors
 or users assume all risks with the use of the material. This product has been classified in
 accordance with the hazard criteria of the CPR and the SDS contains all the information
 required by the CPR. .

Abbreviations..... ACGIH: American Conference of Governmental Industrial Hygienists; CAS: Chemical
 Abstract Service; NIOSH: National Institute for Occupational Safety and Health, OSHA:
 Occupational Safety and Health Administration- USA; TSCA: Toxic Substances Control Act
 1976-USA; PEL: Permissible Exposure Limit; REL: Recommended Exposure Limit; TLV:
 Threshold Limit Value; VOC: Volatile Organic Content; WHMIS: Workplace Hazardous
 Materials Information System STOT: Specific Target Organ Toxicity.

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