

### 1 IDENTIFICATION

Product name	BLC-100
Product use	All purpose biodegradable lubricant
Manufacturer	LGD International 520 Adanac Street, Quebec (Qc) G1C 7B7 418 660.8888
Emergency telephone number	Transport/spills: 613 996-6666 (CANUTEC) Medical emergency: 1-800-463-5060 (CAPQ)
USDA Biopreferred® program certification	84% of biological content

### 2 COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous ingredients	None
-----------------------	------

### 3 HAZARDS IDENTIFICATION

Hazards	None. This product is harmless for human.
Inhalation	Does not cause irritation under normal conditions of use. Vapors produced by heating, or foggy particles, may slightly irritate the mucous membranes and cause dizziness or nausea during a large exposure. May cause slight irritation of the respiratory tract in the presence of vapors / mists when handling in confined spaces.
Eye contact	May cause slight irritation.
Skin contact	Does not cause irritation under normal conditions of use. If the product is heated to high temperatures, skin burns may occur. Frequent or prolonged contact may slightly irritate the skin.
Ingestion	No significant danger.

**4 FIRST AID MEASURES**

<b>Eye contact</b>	Flush eyes with large amounts of water for 15-20 minutes. Seek medical attention if irritation persists.
<b>Skin contact</b>	Wash immediately with plenty of water and soap. If possible, remove all contaminated clothing and shoes immediately unless they stick to the skin.
<b>Inhalation</b>	If, inhaled, remove to fresh air. Remove victim from exposure by ensuring personal safety. Seek medical attention if symptoms persist.
<b>Ingestion</b>	Do not induce vomiting (forced vomiting may cause aspiration into the respiratory tract which may cause chemical pneumonitis). Rinse mouth with water. If the person is conscious, give him half a liter of water to drink immediately. If gastrointestinal symptoms develop, seek medical attention. (Never give anything by mouth to an unconscious person)

**5 FIRE FIGHTING MEASURES**

<b>Auto-ignition temperature</b>	Not available
<b>Flash point</b>	>140°C or >284°F
<b>Lower flammability limit</b>	Not available
<b>Upper Flammability Limit</b>	Not available
<b>Extinguishing media</b>	Dry chemical, water spray or water foam, alcohol foam, CO <sub>2</sub> .
<b>Caution</b>	Water jet can splash the burning liquid and spread the fire.
<b>Fire warning</b>	Use self-contained breathing apparatus. Avoid breathing vapors or fumes. Wear protective clothing to avoid contact with skin and eyes. Eliminate all ignition sources. Evacuate everyone who does not participate in the emergency shutdown procedure. Mark the contaminated area and prevent access to unauthorized staff.
<b>Hazardous Combustion Products</b>	Smoke of carbon monoxide and carbon dioxide
<b>Substances which may cause fires or explosions</b>	Oxidizing agents

## 6 ACCIDENTAL RELEASE MEASURES

<b>Personal precautions</b>	Wear appropriate equipment (gloves, glasses, boots, protective clothing and mask if necessary).
<b>Environmental precautions</b>	Avoid spilling in sewers or rivers. Notify the appropriate authorities if necessary.
<b>Spills</b>	Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area). Evacuate everyone who does not participate in the emergency cleaning procedure. Mark the contaminated area and prevent access to unauthorized staff. Stop leak if you can do so without risk. Contain spills using a retention system. Eliminate small spills with absorbent materials and dispose of them appropriately to prevent spontaneous combustion. Recover large spills using a pump for recycling or disposal. Wash hard surfaces with safe solvents or detergents to remove oil film residues.

## 7 HANDLING AND STORAGE

<b>Handling</b>	Avoid direct contact with the substance. Do not eat, drink or smoke in work areas. Wash hands after use, and remove contaminated clothing and protective equipment before entering food court.
<b>Storage</b>	Store in a cool, dry, well ventilated area away from heat (between 10°C and 40°C). Keep away from ignition sources and oxidizing agents. Keep the container tightly closed. Do not puncture, pull or slide containers containing the product.

## 8 EXPLOSURE CONTROLS/PERSONAL PROTECTION

<b>Exposure limits (ACGIH, Canada)</b>	5 mg/m <sup>3</sup> for oil spray/oily mist/aerosol per 8 hours a day
<b>Technical installations</b>	<b>Ventilation:</b> Not necessary. If a large amount of vapors or mists is produce, ventilation is recommended. Use a vacuum system to evacuate vapors, suspended particles or fumes, if necessary. Provide adequate ventilation to keep the level of organic vapors below the recommended exposure limits and explosive concentration. <b>Eye protection:</b> Safety glasses and face shield is recommended when there is a risk of vapors or splashes. <b>Skin protection:</b> Wear gloves resistant to chemicals. PVC coated gloves are recommended to prevent skin contact. <b>Respiratory:</b> If vapors are generated, wear approved NIOSH organic vapor respirator. Respiratory protection is also recommended when using the product in a confined space where ventilation is inadequate.
<b>Hygiene measures</b>	Wash exposed parts or clothing with water and soap. Avoid ingesting the product. Practice good personal hygiene.

**9 PHYSICAL AND CHEMICAL PROPERTIES**

Physical state	Liquid
Color	Yellowish transparent
Odor	Weak odor
Biological content (ASTM D6866-08B)	84%
Boiling point	> 200°C
Specific gravity	0.88 g/cm <sup>3</sup> at 25°C
Solubility in water	Insoluble
Odor threshold	Not available
Volatiles, % by volume	Not available
Steam pressure	Not available
Vapor density	Not available
Evaporation rate	Not available

**10 STABILITY AND REACTIVITY**

Stability	This product is stable under the recommended storage conditions.
Reactivity	Avoid contact with incompatible materials. Avoid exposure to heat or ignition sources.
Materials to avoid	Strong oxidizing agents (liquid chlorine, concentrated oxygen, sodium hypochlorite, calcium hypochlorite, etc.), strong bases.
Hazardous polymerization	Will not occur

**11 TOXICOLOGICAL INFORMATION**

Routes of exposure	Inhalation, ingestion, skin or eye contact.
Toxicity to animals	Not available
Chronic Effects on Humans	None
Carcinogenic effects	None
Mutagenic effects	None
Teratogenic effects	None
Effects on the reproductive system	None

**12 ECOLOGICAL INFORMATION**

<b>Biodegradability</b>	100% in 21 days, according to the CEC-L-33-A-93 method applied by the CRIQ.
<b>Ecotoxicity</b>	Non-toxic (approved by CRIQ)
<b>Toxicity of biodegradation products</b>	Non-toxic (approved by CRIQ)

**13 DISPOSAL CONSIDERATIONS**

<b>Waste Disposal</b>	An approved waste recovery company can pick up waste. The contaminated absorbent can be sent to an approved landfill. Follow municipal, provincial and federal regulations regarding discard regulations.
-----------------------	---

**14 TRANSPORT INFORMATION**

<b>Regulatory Name</b>	Not regulated
<b>TDG Classification</b>	Not applicable
<b>UN number</b>	Not applicable
<b>Packing group</b>	Not applicable
<b>Limited Quantity Index</b>	Not applicable
<b>Shipping Name</b>	None
<b>Shipping number</b>	None
<b>Identification number</b>	None

**15 REGULATORY INFORMATION**

<b>US Hazardous Material Information System (HMIS)</b>	Health hazards	1
	Fire hazards	1
	Reactivity	0
	Personal protection	0

**WHMIS Classification** Not Regulated

**16 OTHER INFORMATION**

**Reference** Material Safety Data Sheets produced by the *Commission de la santé et de la sécurité du travail du Québec*. Material Safety Data Sheets of suppliers.

**Prepared by** LGD International, Quality Control Department  
Date of issue: 04/01/10  
Revision Date: 19/09/2018

The information contained in this document is accurate to the best of LGD INTERNATIONAL's knowledge. This information is distributed in good faith to comply with the municipal, provincial and federal laws of Canada. However, the information contained in this document can not be considered complete or exhaustive and should be used only as a general guide for the handling of this product. No warranty implied or otherwise, is provided by the company as to the accuracy and correctness of the information contained in this document. "LGD INTERNATIONAL MAKES NO WARRANTIES, EXPRESS OR IMPLIED, AS TO THE MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. IN NO CASE SHALL LGD INTERNATIONAL BE LIABLE FOR ANY DEFECTIVE PRODUCT OR SOLD AT AN UNMISSIBLE PRICE. THEREFORE THE COMPANY SHALL NOT BE LIABLE FOR DIRECT OR INDIRECT DAMAGES CAUSED BY ITS PRODUCT. "