

# MATERIAL SAFETY DATA SHEET – BDQ-105

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## Section I. Product and company identification

Product name : BDQ-105  
Manufacturer : Bio-Lub Canada Inc.  
Emergency phone number : Canutec : 613-996-6666  
Product uses : All purpose bio-lubricant, water soluble  
WHMIS class : Not regulated by WHMIS

## Section II. Composition / information on ingredients

Ingredients	CAS number	Pourcentage	Regulated WHMIS
Emulsifier	Mix	2-10	No

## Section III. Hazards identification

Inhalation May cause irritation to the respiratory system if the product is warm and vapours are release. If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing.

Eye contact May cause irritation. Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if symptoms persist.

Skin contact If the product is warm at high temperature may cause skin burns.

Ingestion Accidental ingestion doesn't cause toxic effects.

Potential chronic effects on health :  
Carcinogenic effects : None  
Mutagenic effects : None  
Teratogenic effects : None  
Reproductive system effects: None

## Section IV. First aid measures

Eye contact : Immediately flush eyes with plenty of water for at least 15 minutes.

Skin contact : Wash with soap and water.

Inhalation : If inhaled, remove to fresh air. Get medical

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attention if symptoms persist.

Ingestion :

Induce vomiting and give water to drink. If large quantities of this material are swallowed, call a physician immediately.

## Section V. Fire and explosion data

Auto-ignition temperature :

Not available

Flash point :

>130°C or 266°F

Flammable limits :

Not available

Extinguishing media :

Dry chemical powder, water spray, foam, CO<sub>2</sub>.

Protective measures for firefighters :

Use a self contained breathing apparatus. Avoid vapours or fume inhalation.

Products of combustion :

Carbon monoxide, carbon dioxide, smoke.

Substances who may cause fire or explosion :

Oxidizing agents.

Special remarks on fire and explosion hazards :

Use water spray to cool exposed containers.

Incompatibility :

Oxidizing agents.

Spontaneous polymerization:

No danger

## Section VI. Accidental release measures

Spill :

Keep away from sources of ignition. Absorb with an inert material and put the spilled material in an appropriate waste disposal. Avoid to release into sewers/water supplies. Finish cleaning with a safe solvent or cleaner for oil waste. Inform authority if necessary.

## Section VII. Handling and storage

Storage:

Store in a cool well-ventilated area at a temperature between 10°C and 50°C. Keep away from light sources and humidity. Keep away from sources of ignition and oxidizing agents. Do not perforate, pull or slide the containers.

## Section VIII. Exposure controls / Personal protection

Exposure limits :

Not available

Engineering Controls:

Local ventilation : Not required

Mechanical ventilation: Not required.

Recommended in case of vapours or fume.

Personal protection :

Eyes : Safety goggles, face mask.

Gloves : Chemical resistant gloves. PVC coated gloves are recommended to avoid skin contacts.

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Hygienic work practices : Respiratory : A NIOSH approved air purifying respirator with an organic vapour cartridge may be use if vapours.  
Wash with water and soap after contact. Avoid swallow. Ensure to do good hygienic personal practices.

## Section IX. Physical and chemical properties

Appearance et odour :	Clear yellow liquid with light odour.
Boiling point :	> 200°C
Density :	0,88 g/cm <sup>3</sup> at 25°C
Water solubility :	Soluble, emulsion
Odor threshold:	Not available
Percent volatile :	N/A
Vapor pressure :	N/A
Vapor density :	N/A
Evaporation rate :	N/A

## Section X. Stability and reactivity data

Stability :	The product is stable, spontaneous polymerization will not occur.
Incompatibility :	Reactive with oxidizing agents.
Hazardous decomposition products :	Carbon monoxide and dioxide with smoke.

## Section XI. Toxicological information

Routes of Entry :	Absorbed through skin. Inhalation. Ingestion.
Toxicity to animals :	Not available
Chronic effects on Humans :	Non-irritant for skin and eyes

## Section XII. Ecological information

Biodegradability :	Yes
BOD5 and COD :	Not available
Ecotoxicity :	Not available
Toxicity of biodegradation products :	Not available

## Section XIII. Disposal considerations

Waste disposal :	An authorised waste contractor can collect wastes. Waste must be disposed of in accordance with federal, state and local environmental control regulations.
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## Section XIV. Transport information

Proper shipping name:	Not regulated
Hazard class:	Not applicable
UN number :	Not applicable
Packing group:	Not applicable
Maximum limited quantity value :	Not applicable

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## Transports Canada

Expedition name : None  
Identification number : None  
Expedition number : None

### **Section XV. Other regulatory information and pictograms**

OSHA statute :  
Under OSHA federal standard 29 CFR 1910.1200 this product is not consider as dangerous  
Vapours and fume from heating and decomposition could be dangerous as mentioned in  
section 2 and 3.

TSCA statute :  
This product is on the TSCA list.

California Proposition 65 :  
This declaration was made in conformance with the safe drinking water & toxic enforcement  
Act of 1986. This product does not contain any chemical products known by California to  
cause cancer.

### **Section XVI. Others informations**

References : Material safety data sheets made by the  
Commission de la santé et de la sécurité du  
travail du Québec. Suppliers Material safety  
data sheets.

Created by : Quality control department  
Phone : 819-265-2026  
Date : January 10, 2010

Revised : Date: January 10, 2010

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