

# MATERIAL SAFETY DATA SHEET – BDQ-700

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## Section I. Product and company identification

Product name : BDQ-700  
Hydraulic oil ISO 32

Manufacturer : Bio-Lub Canada Inc.

Emergency phone number : Canutec : 613-996-6666

Product uses : Hydraulic oil (biodegradable) for machinery and equipments

WHMIS class : Not regulated

## Section II. Composition / information on ingredients

Ingredients	CAS number	Pourcentage	WHMIS regulated
Mix	Nil	Nil	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. Get medical attention if symptoms persist

# MATERIAL SAFETY DATA SHEET

Skin contact :	Wash with soap and water. Remove contaminated clothing. Get medical attention if symptoms persist. Wash contaminated clothing before reuse.
Inhalation :	If inhaled, remove to fresh air. If breathing is difficult, give oxygen. Get medical attention if symptoms persist.
Ingestion :	Do not induce vomiting. If the person is conscious give 2 glasses of 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 :	>184°C or 363.2°F
Flammable limits :	Not available
Extinguishing media :	Dry chemical powder, water spray, foam, CO <sub>2</sub> . Water can be use to cool and protect exposed materials
Protective measures for firefighters :	Use a self contained breathing apparatus. Avoid vapours or fume inhalation. The material will float on water.
Products of combustion :	Carbon monoxide, carbon dioxide, smoke.
Substances who may cause fire or explosion :	Oxidizing agents.
Special remarks on fire and explosion hazards :	Avoid watering with water directly on materials
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.
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## Section VII. Handling and storage

Storage:	Store in a cool well-ventilated. Keep away from light sources and humidity. Keep away from sources of ignition and oxidizing agents.
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## Section VIII. Exposure controls / Personal protection

Exposure limits :	Not available
Engineering Controls:	Local ventilation : Required Mechanical ventilation : Recommended in case

# MATERIAL SAFETY DATA SHEET

of vapours or fume.

Personal protection :

Eyes : Safety goggles, face mask.

Gloves : Chemical resistant gloves. Nitril or neoprene coated gloves are recommended to avoid skin contacts.

Respiratory : A NIOSH approved air purifying respirator with an organic vapour cartridge may be use if vapours.

Hygienic work practices :

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 :

N/A

Density :

0,88 g/cm<sup>3</sup> at 20°C

Water solubility :

Insoluble

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, aldehydes with fume.

## Section XI. Toxicological information

Routes of Entry :

Absorbed through skin. Inhalation. Ingestion.

Toxicity to animals :

Not available

Chronic effects on Humans :

May cause irritation for skin, respiratory system and eyes

## Section XII. Ecological information

Biodegradability :

Yes

Ecotoxicity :

Not available

DBO5 and DCO :

Not available

Biodegradation products :

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.

# MATERIAL SAFETY DATA SHEET

## 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

### Transports Canada

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

## Section XV. Other regulatory information and pictograms

Hazardous material information system (USA)	Minor	0	Health hazard	1
	Light	1	Fire hazard	1
	Moderate	2	Reactivity	0
	Serious	3	Personal protection	0
	Severe	4		
WHMIS Classification :	Not regulated			

## 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

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