

# MATERIAL SAFETY DATA SHEET – BDQ-220

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## Section I. Product and company identification

Product name : BDQ-220  
Manufacturer : Bio-Lub Canada Inc.  
Emergency phone number : Canutec : 613-996-6666  
Product uses : 2-Cycle Engine oil, TC-W  
WHMIS class : D2B

## Section II. Product and company identification

Ingredients	CAS number	Pourcentage	WHMIS
Mix	Nil	Nil	No

## Section III. Hazards identification

Inhalation : Oil mist can irritate airways and lungs.  
Eye contact : Irritating to eyes.  
Skin contact : Prolonged or repeated contact may lead to irritated skin  
Ingestion : Could cause stomach ache or vomiting.  
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: Flush with water at least 15 minutes. Get medical attention if eye irritation develops or persists.  
Skin contact : Wash with soap and water. Remove contaminated clothing. Get medical attention if irritation develops. Launder contaminated clothing before reuse.  
Inhalation : Remove exposed person to fresh air if adverse effects are observed. If breathing is labored, administer oxygen. If breathing has stopped, apply artificial respiration. If irritation persists get medical attention.  
Ingestion : Do not induce vomiting. If conscious, give 2

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glasses of water. Get immediate medical attention.

## Section V. Fire and explosion data

Auto-ignition temperature :	Not available
Flash point :	185°C ou 365°F
Upper flammable limits :	Not available
Lower flammable limits :	Not available
Extinguishing media :	CO <sub>2</sub> , dry chemical, alcohol foam. Water can be used to cool and protect exposed material.
Protective measures for firefighters :	Recommend wearing self-contained breathing apparatus. Water may cause splattering. Material will float on water.
Products of combustion :	Carbon monoxide, carbon dioxide.
Substances who may cause fire or explosion :	Oxidizing agents.
Special remarks on fire and explosion hazards :	A Avoid watering with water directly on materials.
Incompatibility :	Oxidizing agents.
Spontaneous polymerization:	Will not occur.

## Section VI. Accidental release measures

Spill :	Prevent entry into sewers and waterways. Pick up free liquid for recycle/disposal. Absorb small amounts on inert material for disposal.
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## Section VII. Handling and storage

Storage :	Store in a cool and well ventilated place. Empty containers may retain product properties. Keep away from light sources and humidity. Keep away from sources of ignition and oxidizing agents. Follow all MSDS / Label warnings after container is emptied.
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## Section VIII. Exposure controls / Personal protection

Exposure limits :	Not available.
Engineering Controls :	Local ventilation : Required Mechanical ventilation : Recommended in case of vapours or fume.
Personal protection :	<u>Eyes</u> : Chemical goggles or face-shield. <u>Gloves</u> : Use nitrile or neoprene gloves. <u>Respiratory</u> : Under normal use conditions, respirator is not usually required. Use NIOSH/MSHA approved disposable dust/mist mask if the recommended exposure limit is exceeded. Use self-contained breathing apparatus for entry into confined space, for

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Hygienic work practices : other poorly ventilated areas and for large spill clean-up sites.  
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 :	Yellow liquid mild odor
Boiling point:	N/A
Density:	0,88 g/cm <sup>3</sup> at 15.6°C
Water solubility :	Insoluble
Odor threshold :	N/A
Percent volatile :	N/A
Vapor pressure :	<1
Vapor density (air =1):	<1
Evaporation rate :	N/A

## Section X. Stability and reactivity data

Stability :	Material is normally stable at moderately elevated temperatures and pressures.
Incompatibility :	Oxidizing agents.
Thermal decomposition:	Smoke, carbon monoxide, aldehydes and others products of incomplete combustion.

## 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. Ultimate biodegradation Pw1 > 60% within 28 days in ASTM D-5864 - Aerobic Aquatic biodegradation of lubricants.
Ecotoxicity :	Aquatic toxicity: LC50 is greater than 1000 ppm.
BOD5 and COD :	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.
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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

### 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 class : D2B

## 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  
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