

MATERIAL SAFETY DATA SHEET– BDQ-200

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Section I. Product and company identification

Product name : BDQ-200
Manufacturer : Bio-Lub Canada Inc.
Emergency phone number : Canutec : 613-996-6666
Product use : Diesel fuel conditioner environmentally improved
WHMIS class : D2A

Section II. Composition / information on ingredients

Dangerous ingredients	CAS Number.	Content	Regulated by SIMDUT
Glycol ether	Mix	>5	Yes
2-Ethylhexyl nitrate	27247-96-7	>5	Yes

Section III. Hazards identification

Inhalation May be harmful by inhalation. May cause irritation to the respiratory system.

Eye contact May irritate eyes.

Skin contact May be harmful in case of skin absorption. May cause skin irritation.

Ingestion May be harmful if swallowed.

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

Section IV. First aid measures

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

Skin contact : Wash with soap and water. Get medical attention.

Inhalation : If inhaled, remove to fresh air. If no breathing give artificial respiration. Get medical attention.

Ingestion : Never give anything by mouth to an

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unconscious person. Rinse mouth with water.
Consult doctor immediatly.

Section V. Fire and explosion data

Auto-ignition temperature:	Not available
Flash point :	>130°C or 266°F
Flammable limits:	Not available
Extinguishing media:	Use water fog, alcohol foam, dry chemical or carbon dioxide.
Protective measures for firefighters:	Use a self contained breathing apparatus if necessary.
Products of combustion :	Carbon monoxide and dioxide.
Substances who may cause fire or explosion :	Strong oxidizing agents.
Special remarks on fire and explosion hazards :	Closed containers can be cooled with water fog.
Incompatibility :	Strong oxidizing agents, metallic powders.
Spontaneous polymerization :	No danger

Section VI. Accidental release measures

Spill :	Use individual protection equipment. Avoid vapour, fume or gas inhalation. Ventilate area. Evacuate area. Avoid to release into sewers/water supplies. Contain area by dinking and absorb on sand, vermiculite, activated carbon, or other non combustible absorbent and place in a closed container for disposal in accordance with local and national regulation.
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Section VII. Handling and storage

Storage:	Keep container tightly closed. Store in a cool, dry and well ventilated area. Store open container vertically to avoid leaking.
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Section VIII. Exposure controls / Personal protection

Exposure limits:	Do not contain substances with professional exposure limits.
Engineering Controls:	Local ventilation : Required Mechanical ventilation : Normaly not required. Recommended in case of vapours or fumes.
Personal protection:	<u>Eyes</u> : Safety goggles and face shield. <u>Gloves</u> : Chemical resistant gloves. PVC gloves are recommended to avoid skin contact. <u>Respiratory</u> : If airborne concentrations are above the acceptable limits, wear an approved

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air purifying respirator with ABEK (EN 14387) type cartridge that provides adequate protection from this material. If respirator is the only protection used, use a self contained breathing apparatus with a face shield.

Hygienic work practices :

Ensure to do good hygienic industrial practices and follow safety instructions. Wash hands before break and at the end of the day.

Section IX. Physical and chemical properties

Appearance et odour:	Clear, pale yellow liquid with light odour
Boiling point :	> 180°C
Density :	0,88 g/cm ³ at 25°C
Water solubility :	Insoluble
Odour 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 :	This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.
Incompatibility :	May react with strong oxidizing agents and metallic powder.
Hazardous decomposition products :	On combustion, carbon oxide and nitrogen (NOx).

Section XI. Toxicological information

Routes of entry :	Absorbed through skin. Inhalation. Ingestion.
Toxicity to animals :	Diethylene glycol methyl ether : LD ₅₀ > 7,000 mg/kg Oral (rat), LD ₅₀ > 20,400 mg/kg Dermal (rabbit).
Chronic effects on Humans :	Risk of congenital malformation in fetus.

Section XII. Ecological information

Ecotoxicity :	Diethylene glycol methyl ether : Toxicity for fish LC50 - Lepomis macrochirus - 7,500 mg/l - 96 h
BOD5 and COD:	Not available
Biodegradation products:	Not available
Toxicity of biodegradation products :	Not available

Section XIII. Disposal considerations

Waste disposal:	This product may be burn in a chemical incinerator with after-burner and scrubber. Waste must be disposed of in accordance with federal, state and local environmental control
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regulations. Dispose at an approved waste disposal facility.

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

Transport 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	2
	Light	1	Fire hazard	2
	Moderate	2	Reactivity	0
	Serious	3	Personal protection	1
	Severe	4		

WHMIS class : D2A

Section XVI. Other information

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 4, 2010

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