

MATERIAL SAFETY DATA SHEET – BDQ-140

BIO-LUB CANADA INC.
650, Route 349 Nord, Saint-Alexis-des-Monts (Québec) Canada J0K 1V0
Phone : 819-265-2026, Fax : 819-265-2464
www.bio-lubcanada.com

Section I. Product and company identification

Product name : BDQ-140
Manufacturer : Bio-Lub Canada Inc.
Emergency phone number : Canutec : 613-996-6666
Product uses : Cutting oil water soluble (general purpose) for machining, cutting, drilling, milling, turning, boring and over, for ferrous and non ferrous metals.
WHMIS class : Not regulated by WHMIS

Section II. Product and company identification

Ingredients	CAS number	Pourcentage	WHMIS regulated
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

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Ingestion : get medical attention.
Do not induce vomiting. If conscious, give 2 glasses of water. Get immediate medical attention.

Section V. Fire and explosion data

Auto-ignition temperature : Not available
Flash point : >280°C (COC) or >536°F
Upper flammable limits : Not available
Lower flammable limits : Not available
Extinguishing media : CO₂, 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.

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.

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 : Eyes : Chemical goggles or face-shield.
Gloves : Use nitrile or neoprene gloves.
Respiratory : Under normal use conditions, respirator is not usually required. Use NIOSH/MSHA approved disposable dust/mist mask if the recommended exposure limit is

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Hygienic work practices : exceeded. Use self-contained breathing apparatus for entry into confined space, for 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:	0,91 g/cm ³ at 15.6°C
Water solubility :	Soluble
Odor threshold :	N/A
Percent volatile :	N/A
Vapor pressure :	<1
Vapor density :	<1 (air = 1)
Evaporation rate :	0 (n-butyl acetate =1)

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
Ecotoxicity :	Not available
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 : 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
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