

MATERIAL SAFETY DATA SHEET – BDQ-130

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-130
Manufacturer : Bio-Lub Canada Inc.
Emergency phone number : Canutec : 613-996-6666
Product uses : Air Tool biolubricant ISO 32
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 get medical attention.
Ingestion : Do not induce vomiting. If conscious, give 2

MATERIAL SAFETY DATA SHEET

glasses of water. Get immediate medical attention.

Section V. Fire and explosion data

Auto-ignition temperature :	Not available
Flash point :	230°C (COC) ou 446°F
Upper flammable limits :	Not available
Lower flammable limits :	Not available
Extinguishing media :	CO ₂ , 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 :	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 other poorly ventilated areas and for large spill

MATERIAL SAFETY DATA SHEET

Hygienic work practices : 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: 0,878 g/cm³ at 15,6°C
Water solubility : Insoluble
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 : The product is stable, spontaneous polymerization will not occur.
Incompatibility : Reactive with 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 : LC 50 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.

Section XIV. Transport information

Proper shipping name: Not regulated
Hazard class: Not applicable
UN number : Not applicable

MATERIAL SAFETY DATA SHEET

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
Phone : 819-265-2026
Date : January 10, 2010

Revised : Date : January 18, 2010

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