

SAFETY DATA SHEET

In accordance with the Hazardous Products Regulations (HPR), as amended on December 15, 2022

BIO-ACIDE

SECTION 1: IDENTIFICATION

Product identifier	BIO-ACIDE
Other Means of Identification	16344
Recommended Use	Organic Acid Cleaner
Restrictions on Use	Not available
Initial Supplier Identifier	
Name	Promotion Lépine
Address	2800, Boulevard Wilfrid-Hamel Québec (Québec), G1P 2J1, Canada
Telephone	+1 418-687-0084
Telefax	+1 418-687-4446
Contact email	rgenois@promotionlepine.com
Emergency telephone number	Quebec Centre antipoison (24 h service) Quebec: (418) 656-8090 - Other regions: 1 800 463-5060

SECTION 2: HAZARDS IDENTIFICATION

Product classification

GHS Classification in accordance with the Hazardous Products Regulations (HPR), as amended on December 15, 2022

Serious eye damage/eye irritation Category 2A

GHS label elements

Symbol(s)



Signal word

WARNING

Hazards

Causes serious eye irritation.

Precautionary statements

Prevention	Wear eye protection. Wash hands thoroughly after handling.
Response	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.
Storage	None
Disposal	None
Other hazards	None

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS No.	(%) (w/w)	Common name / Synonyms	Other identifiers
L(+)-Lactic acid	79-33-4	5 - 10	-	-

Chemical nature: Aqueous cleaning product.

Note: Concentration range provided to protect proprietary formulation details.

SECTION 4: FIRST-AID MEASURES

Inhalation: Based on available data, no irritation or harmful effects have been observed under normal conditions of use. If you feel unwell, move the person to fresh air and consult a physician if symptoms persist.

Skin contact: Wash thoroughly with soap and water. Consult a physician if skin irritation occurs.

Eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical attention.

Ingestion: Rinse mouth. Call a POISON CENTRE or doctor if you feel unwell.

Most Important Symptoms and Effects, Acute and Delayed:

Symptoms: Redness, pain, tearing, or stinging sensation of the eyes after contact. May cause burning sensation and marked irritation. Redness or slight tingling of the skin may occur after prolonged contact.

Effects: Eye irritation symptoms are generally reversible. No additional acute or delayed effects are expected under normal conditions of exposure.

Immediate Medical Attention and Special Treatment: Treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable extinguishing media: This product is neither flammable nor combustible. In case of fire involving this product, use extinguishing media suitable for the surrounding fire conditions.

Unsuitable extinguishing media: Data not available.

Special hazards arising from the product: During combustion, the product may release irritating or toxic fumes or vapours (e.g. carbon oxides, irritating vapours).

Special Protective Equipment and Precautions for Fire-Fighters: Wear self-contained breathing apparatus and full protective clothing.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Wear appropriate personal protective equipment for cleaning (protective gloves and safety goggles).

Methods for Containment and Cleaning Up: Clean contaminated areas immediately. Contain and absorb with inert material. Wash the area thoroughly with plenty of water. Avoid release to the environment.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling: Avoid contact with eyes. Wear appropriate eye protection. Wash hands thoroughly after handling.

Conditions for safe storage: Store in a cool, dry, and well-ventilated area away from incompatible materials.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Occupational exposure limit values: Not applicable

Appropriate engineering controls: Not applicable

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Individual Protection Measures



Eye/face protection: Wear safety goggles compliant with CSA standards.

Skin protection: Gloves are generally not required under normal conditions of use. Wash hands thoroughly after handling.

Respiratory protection: No respiratory protection is required under normal conditions of use.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Liquid
Colour	Pink
Odour	Fruity (apple)
Melting point and freezing point	0°C
Boiling point or initial boiling point and boiling range	100°C
Flammability	Non-flammable
Upper and lower flammability or explosive limit	Not applicable
Flash point	> 93°C
Auto-ignition temperature	Not applicable
Decomposition temperature	Data not available
pH	2.1 - 2.6
Kinematic viscosity	100- 650 cSt
Solubility	Soluble in water
Partition coefficient, n-octanol / water (log K _{ow})	Data not available
Vapour pressure	Data not available
Density and relative density	1.02 - 1.04
Relative vapour density	Data not available
Particle characteristics	Data not available

SECTION 10: STABILITY AND REACTIVITY

Reactivity: No dangerous reactivity known.

Chemical stability: Stable under normal conditions of use and storage.

Possibility of hazardous reactions: No hazardous reactions known.

Conditions to avoid: Avoid heat and direct sunlight to preserve product quality.

Incompatible materials: Strong bases.

Hazardous decomposition products: Carbon oxides produced during combustion.

SECTION 11: TOXICOLOGICAL INFORMATION

Likely routes of exposure:

☐ Inhalation ☒ Skin contact ☒ Eye contact ☒ Ingestion

Acute toxicity: Not classified (criteria for classification not met).

LD50 (oral, rat) > 5000 mg/kg (calculated data)

LD50 (dermal, rat) > 5000 mg/kg (calculated data)

Skin corrosion/irritation: Not classified (criteria for classification not met).

Serious eye damage/eye irritation: The product causes serious eye irritation. Not classified as corrosive according to OECD 438.

STOT (Specific Target Organ Toxicity) – Single Exposure: Not classified (criteria for classification not met).

STOT (Specific Target Organ Toxicity) – Repeated Exposure: Not classified (criteria for classification not met).

Respiratory and/or skin sensitization: Not classified (criteria for classification not met).

Carcinogenicity: No ingredient listed by IARC, ACGIH, or OSHA. Not classified (criteria for classification not met).

Reproductive toxicity: Not classified (criteria for classification not met).

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Germ cell mutagenicity: Not classified (criteria for classification not met).

Interactive effects: No known or expected interactive effects between components.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity: Acute toxicity, LC50 (calculated): > 100 mg/L

Persistence and degradability: Ingredients are readily biodegradable according to OECD Test Guideline 301 methods.

Bioaccumulative potential: Data not available.

Mobility in soil: Data not available.

Other adverse effects: Data not available.

This product does not present a significant risk to the environment under normal conditions of use.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal methods: Dispose of contents and container in accordance with local and regional regulations. Avoid release to the environment.

SECTION 14: TRANSPORT INFORMATION

The product is not regulated for transport by ground (TDG), air (IATA), or sea (IMDG).

SECTION 15: REGULATORY INFORMATION

Safety, health and environmental regulations: This Safety Data Sheet has been prepared to meet the requirements of the Hazardous Products Regulations (HPR) under the Hazardous Products Act (HPA), as amended on December 15, 2022. It does not address any regulatory requirements outside of Canada.

SECTION 16: OTHER INFORMATION

Created by: Promotion Lépine

Telephone: +1 418-687-0084

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Version: 2

This version replaces all previous editions.

Disclaimer:

The information contained in this Safety Data Sheet is based on the current state of our knowledge and applies to the product as delivered. It does not constitute a guarantee of specific properties. The user is responsible for ensuring that their practices comply with applicable regulations.