BIO-CAN

SAFETY DATA SHEET - SDS VERSION 2.0, 27TH JULY 2023.

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product name:	Bio-CAN.
Recommended use:	Cleaning toilets and holding tanks.
Supplier name:	Biochem Solutions Ltd.
Address:	Unit 2, 28 Maich Rd, Manurewa, Auckland, New Zealand.
Phone:	+64 27 5888 437
Emergency Telephone:	New Zealand: 0800 764 766 (NZ NATIONAL POISON CENTRE). International: +643 479 7227.

2. HAZARD IDENTIFICATION

Hazard Classification: **HAZARDOUS** according to GHS (Globally Harmonised System of Classification and Labelling of Chemicals) criteria.
Signal word: Danger**.**
Symbol/s: Health, Exclamation mark.

Hazard Categories:

- Eye damage / irritation - Category 2A.
- Sensitisation - Respiratory - Category 1B.
- Hazardous to the aquatic environment (Chronic) - Category 4.

Hazard statement/s:

- H319 Causes serious eye irritation.
- H334 May cause allergy or asthma symptoms.
- H413 May cause long-lasting harmful effects to aquatic life.

Prevention statement/s:

- P103 Read label before use.
- P102 Keep out of reach of children.
- P261 Avoid breathing dust/fumes/gas/mist/vapours/spray.
- P264 Wash hands thoroughly after handling.
- P273 Avoid release to the environment (if this is not the intended use).
- P284 In case of inadequate ventilation, wear respiratory protection.
- P280 Wear eye/face protection.

Response statement/s:

- P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove any contact lenses. Continue rinsing.
- P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P308 + P313 If you have breathing problems, are exposed/concerned, or any iritation persists: Call poison centre/doctor for advice/attention.

Storage statement: None.
Disposal statement: P501 Dispose of product and packaging in accordance with local regulations.
The information contained in this SDS is specific to the product when handled and used neat. This product when diluted/mixed may not require the same control measures as the neat product. Check with your technical representative if in doubt.

3. COMPOSITION / INFORMATION ON INGREDIENTS

At the levels used in the product, these ingredients are considered either hazardous or dangerous goods according to GHS criteria:

INGREDIENT	CAS No.	PROPORTION (%)
Sulfonic acids, C14-17-sec-alkane, sodium salts	**97489-15-1**	**1 - 5%**
Subtilisin	**9014-01-1**	**0.1 - 1.6%**

4. FIRST AID MEASURES
Ingestion: Drink a glass of water. Do NOT induce vomiting.
Eye contact: Flush with water for several minutes. Remove any contact lenses. Continue rinsing for at least 15 minutes.
Skin contact: Wash hands thoroughly after handling.
Inhalation: Remove from source of exposure to fresh air. Seek medical advice if experiencing any respiratory symptoms.

5. FIRE FIGHTING METHODS
General: Evacuate non-emergency personnel. Eliminate ignition sources and move chemicals from fire area if this can be done without risk.
Extinguishing media: No specific media for this product.
Flammability conditions: Neither flammable, nor combustible.
Fire and explosion hazards: No known risks from this product.
Hazards from combustion: Packaging may release toxins when burning.
Precautions for fire fighters: No special instructions for this product.
PPE: Fire fighters should wear standard equipment for dealing with chemical fires.
Hazchem code: None.

6. ACCIDENTAL RELEASE MEASURES
General procedure: Spilled preparation should be removed immediately to avoid formation of dust as it dries. Evacuate unnecessary personnel. Stop leak if safe to do so. Avoid walking through spills, as it may be slippery.
Clean up procedures: Flush small spills with water. Soak up large spills using absorbent material such as sand or soil, or use a vacuum cleaner with filter. When saturated collect material, transfer to suitable, labelled, dry chemical-waste containers and dispose of as hazardous waste. Wash area down with excess water.
Environmental precautions: Keep bulk neat product from entering the environment.
PPE: Gloves, safety goggles, face mask/respirator and safety boots.

7. HANDLING AND STORAGE
Handling: Avoid formation of dust and aerosols. Ensure adequate ventilation. Observe good personal hygiene practices.
Storage: Keep tightly closed in a dry, cool place, away from direct sunlight, foodstuffs and children.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION
Exposure/biological limits: No information available.
Engineering measures: Keep an eyebath handy and ready to use.
PPE: INHALATION: Face/dust mask or organic vapour respirator. EYES: Splash proof goggles. HANDS: Nitrile or neoprene gloves. CLOTHING: Chemical-resistant coveralls, splash apron and safety footwear are recommended for handling any chemicals.

9. PHYSICAL AND CHEMICAL PROPERTIES:

Appearance:	Blue liquid.
Odour:	Floral.
pH:	6.5 - 7.5.
Specific gravity:	No information available.
Boiling point (°C):	No information available.
Flammability:	Not flammable.
Flash point:	Does not flash.
Vapour pressure/density:	No information available.
Density/Relative density:	No information available.
Auto ignition temperature:	No information available.
Solubility in water:	Complete
Shelf life:	2 years from date of manufacture (when stored as directed).

10. STABILITY AND REACTIVITY
Chemical stability: Product is stable under normal conditions of use, storage and temperature.
Conditions to avoid: Avoid temperatures above 45°C to preserve biological stability. Avoid freezing temperatures.
Materials to avoid: Strong acids and alkali compounds may inactivate biological cultures. Avoid strong oxidizing agents.
Hazardous Decomposition: None known.
Hazardous polymerisation: Hazardous polymerisation will not occur.

11. TOXICOLOGICAL INFORMATION
Eyes: May cause mild, transient discomfort. Rinse well with clean water.
Skin: May cause mild, transient irritation. Rinse off with clean water.
Ingestion: May cause mild, transient discomfort.
Inhalation: May cause mild, transient discomfort. Seek medical treatment if symptoms persist.

12. ECOLOGICAL INFORMATION
Persistence/degradability: Readily biodegradable.
Mobility: No information available.
Environmental fate: Do NOT allow bulk/neat product to reach waterways drains and sewers.
Bioaccumulation potential: No information available.

13. DISPOSAL CONSIDERATIONS
Disposal methods: Dispose of in accordance with all local and regional council regulations. All empty packaging should be disposed of in accordance with the rules of your local recycling/waste facility.
Landfills: Contact a specialist disposal company or the local waste regulator for advice.

14. TRANSPORT INFORMATION

NOT classified as DANGEROUS GOODS by the by the NZ Transport Agency - Land Transport Rule (2005).

15. REGULATORY INFORMATION

Country/Region: New Zealand
Status: Classified as Hazardous according to GHS, but not DG for transport.
HSNO classifications: **6.4A, 6.5A, 9.1D.**
Group Standard: HSR002530 - Cleaning Products (Subsidiary Hazard) Group Standard 2020.

16. OTHER INFORMATION

SDS issue number: 2.0 - This issue number replaces all previous issues.
SDS issue date: 27/07/2023.
Reason(s) for issue: GHS-7 update.
In any event, the review and, if necessary, the re-issue of a SDS shall be no longer than 5 years after the last date of issue.

17. LEGEND

EPA	Envronmental Protection Authority (NZ)
GHS	Globally Harmonised System
PPE	Personal Protective Equipment
SDS	Safety Data Sheet
STEL	Short Term Exposure Limit. A 15-min TWA exposure, (don't exceed during a working day, even if the 8-hr TWA avg is within the TWA exposure standard. Exposures at the STEL should not exceed 15-min and should not be repeated more than 4 times per day. There should be at least 60-min between successive exposures at the STEL.
TLV	Threshold Limit Value. Refers to airborne concentrations of substances or levels of physical agents to which it is believed that nearly all workers may be repeatedly exposed day after day without adverse effect.
TWA	Time Weighted Average. The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day working week.

This SDS has been prepared from current technical data (EPA and Worksafe NZ guidelines) & summarises at the date of issue our best knowledge of the health and safety information of the product and in particular how to safely handle and use the product in the workplace, If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this company. Our responsibility for products sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available upon request. This SDS may only be reproduced in full, as summaries/excerpts may not contain all the relevant information and thus are not permitted.

End of SDS