



# BIO QSR

SAFETY DATA SHEET - SDS VERSION 1.0, 13<sup>TH</sup> JUNE 2022.

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product name: Bio QSR  
 Recommended use: Floor cleaner.  
 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:

- Skin corrosion / irritation - Category 2.
- Eye damage / irritation - Category 2A.
- Sensitisation - Respiratory - Category 1, 1A, 1B.
- Reproductive Toxicity - Category 2.
- Hazardous to the aquatic environment (Chronic) - Category 3.
- Hazardous to the terrestrial environment - Designed for biocidal action.

Hazard statement/s:

- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H334 May cause allergy or asthma symptoms.
- H361 Suspected of damaging fertility or the unborn child.
- H412 Harmful to aquatic life with long lasting effects.

Prevention statement/s:

- P201 Obtain special permission before use.
- P202 Do not handle until all safety precautions have been read and understood.
- 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).
- P280 Wear protective gloves/eye protection/face protection.

Response statement/s:

- P302 + P352 IF ON SKIN (or hair): Rinse skin with plenty of water.
- P362 + P364 Remove contaminated clothing. Wash before reuse.
- 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.
- P301 IF INGESTED: Drink water. Do NOT induce vomiting
- P308 + P313 If you have breathing problems, are exposed/concerned, or any irritation persists: Call poison centre/doctor for advice/attention.

Storage statement: P405 Store locked up.

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 (%)
Enzyme blend	9000-90-02, 9014-01-1, 9001-62-1, 9012-54-8, 37288-54-3	1-5%
Alkoxylated alcohol	-	1-5%
Boric acid	10043-35-3	0.5 -2%
Subtilisin	9014-01-1	0.5 -2%

**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.

**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: 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. 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 (unless this is the intended purpose).

PPE: Minimum recommended when cleaning up a spill are gloves, safety goggles and safety boots.

**7. HANDLING AND STORAGE**

Handling: Observe good personal hygiene practices. Wash hands thoroughly after handling. Do not ingest or inhale product.

Storage: Store out of direct sunlight, in cool, dry area, away from foodstuffs and children. Label containers adequately and keep sealed when not in use. Check regularly for leaks or spills.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

Exposure/biological limits: No information available.

Engineering measures: Keep an eyebath handy and ready to use.

PPE: INHALATION: Wear a 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.

Work hygienic practices: No information available.

**9. PHYSICAL AND CHEMICAL PROPERTIES:**

Appearance: Purple liquid.

Odour: Fermented odour.

pH: 6.0 - 8.0.

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 extreme heat.

Materials to avoid: Oxidizing materials.

Hazardous Decomposition: None known.

Hazardous polymerisation: Hazardous polymerisation will not occur.

**11. TOXICOLOGICAL INFORMATION**

Eyes: Causes severe irritation to the eyes. Rinse well with clean water.

Skin: May irritate the skin. Rinse off with clean water.

Ingestion: May cause transient discomfort. One of the ingredients (Boric acid) is suspected of causing damage to fertility and any foetus/unborn child, although epidemiological studies of exposed workers and general population show no reproductive or developmental effects.

Inhalation: Inhalation may cause allergic respiratory reactions, including asthma, in susceptible individuals on repeated exposure.

**12. ECOLOGICAL INFORMATION**

Persistence/degradability: Readily biodegradable..

Mobility: No information available.

Environmental fate: Do NOT allow product to reach waterways drains and sewers, unless this is the intended use.

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: **6.3A, 6.4A, 6.5A, 6.8B, 9.1C, 9.1D (biocidal)**

Group Standard: HSR002530 - Cleaning Products (Subsidiary Hazard) Group Standard 2020.

**16. OTHER INFORMATION**

SDS issue number: 1.0 - This issue number replaces all previous issues

SDS issue date: 13/06/2022

Reason(s) for issue: New Product.

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**

AICS Australian Inventory of Chemical Substances

APVMA Australian Pesticides and Veterinary Medicines Authority

AQIS Australian Quarantine and Inspection Service

AS Australian Standard (as issued by Standards Australia)

GHS Globally Harmonised System

NOHSC National Occupational Health and Safety Commission

PPE Personal Protective Equipment

SDS Safety Data Sheet

STEL Short Term Exposure Limit. A 15-min TWA exposure, not to be exceeded at any time during a working day, even if the 8-hour TWA average 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.

TGA Therapeutic Goods Administration

TLV Threshold Limit Value. TLV is a proprietary name registered by the American Conference of Governmental Industrial Hygienists (ACGIH) and 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 and 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.

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**End of SDS**