

**Safety Data Sheet – United Fisheries Ltd**  
**Bio Marinus JAS APPROVED BIOLOGICAL**  
**(Bio Gro Certified Input)**

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## 1. Identification

**Product Name:** Bio Marinus JAS APPROVED BIOLOGICAL

**Proper Shipping Name:** Not applicable

**Recommended Use:** Fertiliser

**Description:** Bio Marinus JAS APPROVED BIOLOGICAL is manufactured by the process of enzymatic hydrolysis of fish offal followed by stabilisation.

Supplier:

**Name:** United Fisheries Limited

**Address:** 50-58 Parkhouse Road  
Wigram  
Christchurch 8042

**Phone:** 03 343 0587

**Website:** www.biomarinus.co.nz

**Email:** biomarinus@unitedfisheries.co.nz

**Emergency Contacts:** New Zealand Poisons & Hazardous Chemicals National Information Centre  
Phone 0800 POISON – 0800 764 766

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## 2. Hazard Identification

**Statement of Hazardous Nature:**

Not classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001.

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## 3. Composition & Information on Ingredients

Enzyme hydrolysed fish offal	>95%
Stabilising acid (citric acid)	3.5%

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## 4. First Aid Measures

New Zealand Poisons & Hazardous Chemicals National Information Centre  
Phone 0800 POISON – 0800 764 766

**Inhalation:** If discomfort occurs, remove to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms call a POISON CENTRE or doctor/physician.

**Skin:** Wash with mild soap and running water. If symptoms develop, seek medical advice.

**Eyes:** Immediately flush with flowing water, hold eyelids apart and irrigate for at least 15 minutes. Call a POISON CENTRE or doctor/physician for advice.

**Ingestion:** If ingested, do not induce vomiting. Give a few sips of water or milk to drink. Do not give excessive fluids. Call a POISON CENTRE or doctor/physician for advice.

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## 5. Fire Fighting Measures

**Flammability:** Non-flammable.

**Extinguishing media:** Use as appropriate for surrounding materials.

**Combustion products:** If involved in a fire, toxic gases such as carbon dioxide, nitrogen oxides and other pyrolysis products typical of burning organic material.

**Flash point:** Not applicable

**Flammability limits:** Not applicable

**Auto-ignition temperature:** Not available

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## 6. Accidental Release Measures

If spilled, contain with spill protection equipment, or sand. Wear protective equipment (see Section 8). Do not allow to enter waterways or stormwater. Collect into sealed containers. If contaminated, dispose according to Section 13. Wash area with water, but do not allow washings to enter waterways or stormwater drains.

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## 7. Handling & Storage

Safe Handling

Storage and work areas should be well ventilated. Follow application information for dilution and dosage rates. Do not store in diluted form. Wash hands after use.

Storage

Store in a cool, dry, well ventilated area, away from direct sunlight.

**8. Exposure Controls & Personal Protection**Exposure Standards**NZ Workplace Exposure Standards (WES):**

None applicable.

**Tolerable Exposure Limit (TEL):**

Not applicable

Engineering Controls**Ventilation:** Use in a well-ventilated area.PPE**Skin protection:** Wear Overalls and gloves.**Respiratory protection:** If spraying, respiratory protection should be worn.**Eye protection:** Safety glasses or goggles.**9. Physical & Chemical Properties**

<b>Appearance:</b>	Liquid – Brown	<b>Freezing / Melting point:</b>	Not Determined
<b>Odour:</b>	Slight	<b>Solubility (water):</b>	Soluble
<b>pH:</b>	3.0 – 3.5	<b>Specific gravity:</b>	1.08
<b>Boiling point:</b>	Not Determined		

**10. Stability & Reactivity**

<b>Stability:</b> Stable	<b>Incompatibility / Materials to avoid:</b> Oxidising agents, strong acids, alkalis
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**11. Toxicological Information****Ingestion:** Low toxicity. May result in nausea, vomiting and diarrhoea.**Inhalation:** Low toxicity. May be irritating to mouth, nose and eye.**Skin:** Not expected to be irritating.**Eyes:** Irritant.**12. Ecological Information**

Do not allow to enter waterways.

**Environmental Exposure Limit (EEL):** Not applicable**13. Disposal Considerations**

Fertilisers should be applied to land at the recommended dosage rates.

Surplus or contaminated product unable to be used for intended purpose may be able to be disposed of at an approved landfill, check with your local council.

Empty containers should be thoroughly cleaned prior to re-use or recycling.

**14. Transport Information**

Not classified as a Dangerous Good according to NZS 5433:2007, IMDG or IATA No special transport requirements are considered necessary

**15. Regulatory Information**

Not classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001.

**16. Other Information****Revision Information:**

SDS may be revised from time to time, please ensure you have a current copy.

This version 1.4 dated 20 May 2022

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