



**Bio Natural Solutions Pty Ltd**  
**Bio Blitz™ Urinal Blocks**  
Material Safety Data Sheet

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### 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

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**Product Name** Bio Blitz™ Urinal Blocks  
**Product Use** Microbial treatment to help remove and prevent uric scale builds up on urinal surfaces and within urinal pipe work.  
**Company Name** Bio Natural Solutions Pty Ltd  
38 132 198 853  
**Address** Factory 15  
49-55 Garden Drive  
Tullamarine Victoria 3043  
**Telephone** 1300 730 551  
**Fax** 1300 491 167  
**Emergency Telephone** 0418 338877  
**Email** support@bnsolutions.com.au

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### 2. HAZARDS IDENTIFICATION

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Product has been classified as non hazardous according to the criteria of Worksafe Australia.

**Hazard Category:** Non-Hazardous  
**Hazard Classification:** Non Hazardous, Non dangerous  
**Risk Phrases:** R36/38 Irritating to eyes and skin.  
**Safety Phrases:** S24/25 Avoid contact with skin and eyes.  
**Poison Schedule:** None allocated [Aust].  
**Warning Statement:** Irritant

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### 3. COMPOSITION/INFORMATION ON INGREDIENTS

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Substance Name	Proportion	CAS Number
Glycerol	30 to 60%	56-81-5
Ethoxylated (C12-C14) Alcohols	10 to 30%	9002-92-0
Sodium Stearate	10 to 15%	68334-02-01

All other ingredients are not hazardous according to the EU Criteria.  
Bacterial Cultures (Non-Pathogen)

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### 4. FIRST AID MEASURES

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**Swallowed** If swallowed, DO NOT induce vomiting. Give 3 to 4 glasses of water to drink. If irritation persists transport to hospital or doctor.  
**Eye** If dust enters the eyes, flush with plenty of water for at least 15 minutes, ensuring eye lids are held open. If irritation persists, transport to hospital or doctor.  
**Skin** If dust is falls onto the skin, remove any contaminated clothing and wash skin thoroughly with soap and water. If irritation persists transport to hospital or doctor.  
**Inhaled** Not applicable  
**First Aid Facilities** Eye wash fountain, safety shower and normal wash room facilities.  
**Advice to Doctor** May cause nausea. No toxic effect expected May cause irritation of the mouth and upper digestive tract. Treat symptomatically.

**In case of poisoning, contact Poisons Information Centre:**

In Australia call Tel: 131 126  
In New Zealand Tel: 03 474 70 00

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### 5. FIRE FIGHTING MEASURES

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**Fire/Explosion Hazard** If safe to do so, move undamaged containers from fire area.  
**Fire Fighting Procedures** Fire fighters to wear Self-contained breathing apparatus (SCBA) in confined spaces, in oxygen deficient atmospheres or if exposed to products of decomposition. Full protective clothing is also recommended.  
**Extinguishing Media** Use extinguishing media suitable for surrounding fire situation.  
**Hazchem Code** None allocated [Aust]  
**Flammability** Material is non flammable, but involved in a fire could give off fumes of carbon dioxide, carbon monoxide and oxides of nitrogen. In the event of a fire, self contained breathing apparatus should be worn.

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### 6. ACCIDENTAL RELEASE MEASURES

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Wear suitable protective equipment. Ventilate area. If possible wet area down to prevent high dust levels. If available, use dustless methods, such as a HEPA vacuum and filter. Otherwise, use a non-sparking shovel and place into a suitably labeled container for later disposal. Do not dry sweep.

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### 7. HANDLING AND STORAGE

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Store in a cool place and out of direct sunlight. Store away from sources of heat or ignition. Store away from oxidizing agents. Keep containers closed, when not using the product. Store in original packages as approved by manufacturer.

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### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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**Exposure Standards** No exposure standards have been assigned by [NOHSC] for this product.  
**Glycerol** [TWA] 10mg/m3  
**Ethoxylated (C12-C14) Alcohols** No exposure standards have been assigned by NOHSC

<b>Gloves</b>	PVC or natural rubber. Impervious gloves
<b>Eyes</b>	Chemical goggles or face shield
<b>Respiratory Protection</b>	Does not apply as not harmful
<b>Ventilation</b>	Not applicable
<b>Exposure Limits</b>	Not applicable as not harmful

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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<b>Appearance</b>	Solid Green Cube
<b>Odour</b>	Citrus
<b>pH</b>	5% w/w solution in water 5 - 7
<b>Boiling Point</b>	>100D Centigrade / 60D Centigrade
<b>Vapour Pressure</b>	Not applicable
<b>Specific Gravity</b>	Not applicable
<b>Flash Point</b>	Not applicable
<b>Flammability Limits</b>	Not applicable
<b>Solubility in Water</b>	Slow dissolving

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## 10. STABILITY AND REACTIVITY

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<b>Stability</b>	Stable under normal conditions of use.
<b>Hazardous Decomposition Products</b>	Decomposes on heating emitting soot, smoke and decomposition products.
<b>Hazardous Polymerization</b>	Will not occur.
<b>Incompatibilities</b>	Strong acids, alkalis and oxidizing agents.
<b>Conditions to Avoid</b>	Incompatibles.

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## 11. TOXICOLOGICAL INFORMATION

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No adverse health effects are expected, if the product is handled in accordance with this MSDS and the product label. Symptoms and effects that may arise if the product is mishandled and overexposure occurs are:

### ACUTE HEALTH EFFECTS

<b>Swallowed</b>	May cause irritation to mouth, throat and stomach with effects including mucous build up, irritation to the tongue and lips and pains in the stomach, which may lead to nausea, vomiting and diarrhoea.
<b>Eye</b>	May cause irritation to the eyes, with effects including tearing, pain, stinging and blurred vision.
<b>Skin</b>	May cause irritation to the skin especially if prolonged exposure is likely
<b>Inhaled</b>	Not applicable
<b>Chronic</b>	No chronic effects known
<b>Toxicological Data</b>	There is no other toxicological information available for this product.

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## 12. ECOLOGICAL INFORMATION

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<b>Ecotoxicity</b>	This product is formulated and manufactured to cause minimal environmental impact.
<b>Mobility</b>	This product is believed not to be dangerous to the environment.
<b>Persistence/Degradability</b>	The product is believed not to be dangerous to the environment.

### Chemical Fate Information

The bacteria in the product are EEC Class 1, naturally occurring and generally regarded safe. There is no ecological information available for this product, however, large quantities should not be discharged into drains, sewers or waterways.

This substance is not considered a marine pollutant according to Australian Dangerous Goods Guidelines.

When used in accordance with the instructions, this product is not expected to cause environmental contamination.

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## 13. DISPOSAL CONSIDERATION

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Contact the Land Waste Management Authority in your state

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## 14. TRANSPORT INFORMATION

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Not classified as a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code) 6th Edition. Not classified as a Dangerous Good according to the UN, DOT(US), ICAO(IATA) or IMO(IMDG).

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## 15. REGULATORY INFORMATION

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**Poison Schedule:** Non allocated (Aust)  
Product has been classified as non hazardous according to the criteria of Worksafe Australia.

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## 16. OTHER INFORMATION

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This MSDS summarises our best knowledge of the health and safety hazard information available on the product and the measures to be used to handle and use the product safely. Each user should read this MSDS and consider the information in connection with the way the product is intended to be handled or used.

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