

SAFETY DATA SHEET

Revision #1

Product name: **BIOGUARD BY BULLFROG**
Last revised date: April 12, 2016
Expiry: April 12, 2019

1. IDENTIFICATION

PRODUCT NAME: Bioguard by Bullfrog
MANUFACTURED FOR: Hager Worldwide, Inc.
ADDRESS: 441 19th Street SE, Hickory, North Carolina 28602, USA
PHONE: 1-800-325-2335
FAX: 1-800-573-9392
EMERGENCY PHONE: CHEMTREC 1-(800) - 424-9300
PRODUCT USE: Evacuation system cleaner.

2. HAZARD (S) IDENTIFICATION

SIGNAL WORD: Warning
SYMBOL: No symbol

GHS Classification:

	Health	Environmental	Physical
Eye Irritant:	Category 2B	None known	None known
Skin irritation:	Category 3		

HAZARD STATEMENTS:

H320 Causes eye irritation
H316 Causes mild skin irritation.

PRECAUTIONARY STATEMENTS:

P264: Wash hands thoroughly after handling.
P280: Wear eye protection and protective gloves.
P305 + P351 + P338: If in eyes: Rinse continuously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313: If eye irritation persists: get medical advice/ attention.
P332 + P313: If skin irritation occurs, get Medical attention.

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3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS No.	% wt	Hazards
Isopropyl alcohol	67-63-0	5 - 10	Flammable liquid (C3) Skin irritation (C3) Eye irritation (C2A) Specific target organ toxicity - single exposure (C3), central nervous system
Sodium Lactate	867-56-1	1 - 5	Acute Oral Toxicity (C4)
Fragrance	*Proprietary*	< 1%	Acute Oral Toxicity (C4) Acute Dermal Toxicity (C4) Skin irritation (C2) Eye damage (C1) Respiratory Sensitization (C1) Skin Sensitization (C1) Germ cell mutagenicity (C2) Carcinogenicity (C2) Specific target organ toxicity, single exposure (C2) Specific target organ toxicity, repeated exposure (C2)
Proprietary bacterial solution	*Proprietary*	1 - 5	*Not GHS classified* -Slight eye irritation -Mild skin irritation -May cause respiratory tract irritation -May cause allergic respiratory reaction -May cause gastrointestinal irritation, nausea, vomiting, and diarrhea

4. FIRST AID MEASURES

EYES: Immediately flush eyes with running water for at least 15 minutes, holding the eyelids apart to ensure rinsing of the entire surface of the eye and lids with water. If eye irritation persists, seek medical attention.

SKIN: Wash with large amount of running water and soap (if available) for 15 minutes. Remove contaminated clothing and shoes. Wash clothing and decontaminate shoes before reuse. Get medical attention if skin irritation occurs.

INGESTION: If swallowed, it is recommended to give 3-4 glasses of water. If vomiting occurs, give fluids again. Seek medical attention if you feel unwell. Note: Do not give anything by mouth to a convulsing or unconscious person.

INHALATION: Remove person to fresh air area. Seek medical attention in the unlikely event that you have trouble breathing or if irritation develops.

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5. FIREFIGHTING MEASURES

FLAMMABILITY: No
COMBUSTIBLE: No
CONDITIONS OF IGNITION: N/Av
MEANS OF EXTINCTION: N/Av
AUTOIGNITION TEMP: N/Av
HAZARDOUS COMBUSTION PRODUCTS: N/Av
FLAMMABLE LIMITS: (% BY VOLUME): N/Av
SENSITIVITY TO IMPACT: N/Av
SENSITIVITY TO STATIC DISCHARGE: N/Av

6. ACCIDENTAL RELEASE MEASURES

Wear appropriate protective gear and respiratory protection where mist or vapors of unknown concentrations may be generated (self-contained breathing apparatus preferred).

Dike and contain spill with inert material (sand, earth, etc.) and transfer the liquid and solid separately to containers for recovery or disposal. Keep spill out of sewers and open bodies of water.

7. HANDLING AND STORAGE

HANDLING AND STORAGE: Store at room temperatures. Keep containers closed until used. Do not contaminate drinking water, food, or feed by storage or disposal.

OTHER PRECAUTIONS: Good personal hygiene practices are suggested.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: In processes where mists or vapors may be generated, proper ventilation must be provided in accordance with good ventilation practices.

RESPIRATORY PROTECTION: In processes where mists or vapors may be generated, a NIOSH/MSHA jointly approved respirator is advised in the absence of proper environmental controls.

EYE PROTECTION: Wear chemical splash goggles if there is a potential for eye contact. Use safety glasses with side shields if there is no potential for eye contact.

SKIN PROTECTION: Wear rubber or neoprene protective gloves to prevent skin contact.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Eye wash; safety shower. User to determine if other protective equipment, such as protective clothing (long sleeves, coveralls or other, as appropriate) to prevent skin contact, is appropriate.

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9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Opaque pale blue liquid; may contain white to beige particulate matter
ODOUR: Lemon
PHYSICAL STATE: Liquid
pH: 6.0-8.0
BOILING POINT: Approximately 100°C
FREEZING POINT: Approximately 0°C
EVAPORATION RATE: N/Av
SPECIFIC GRAVITY @ 25 ± 1°C: Approximately 1
VISCOSITY: N/Av
VAPOUR PRESSURE (mmHg): N/Av
SOLUBILITY: N/Av

10. STABILITY AND REACTIVITY

STABILITY: Stable
CONDITIONS TO AVOID (STABILITY): Avoid heating the product over 30 °C.
INCOMPATIBILITY (MATERIALS TO AVOID): Strong acids or alkali compounds may inactivate biological cultures.
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon oxide (small amounts)

11. TOXICOLOGICAL INFORMATION

ISOPROPYL ALCOHOL Oral rat LD50 5,045 mg/kg
Dermal rabbit LD50 12,800 mg/kg
SODIUM LACTATE Oral rat LD50 2,000 mg/kg
FRAGRANCE Oral rat LD50 70 mg/kg
Dermal rabbit LD50 > 5 g/kg
PROPRIETARY ENZYME SOLUTION Not available

12. ECOLOGICAL INFORMATION

N/Av

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Disposal of this product or its residues must be in accordance with local, provincial and federal requirements. Safe to dispose through the sewage system.
CONTAINER DISPOSAL: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

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14. TRANSPORT INFORMATION

Not regulated for transport.

15. REGULATORY INFORMATION

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations.

16. OTHER INFORMATION

Prepared for: Hager Worldwide, Inc.

Disclaimer

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