

# SAFETY DATA SHEET

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## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** BioGuard Cyanuric Acid Tablets  
**Catalog Number:** J50452

Bio-Lab, Inc.  
P.O. Box 300002  
Lawrenceville, GA USA 30049  
(800) 859-7946

24 HR. Emergency  
Telephone Numbers:  
(800) 424-9300 CHEMTREC (Transportation)  
(877) 800-5553 Poison Control Center (Medical)

**MSDS Number:** M01822  
**Chemical Name:** Not Applicable  
**CAS Number:** Not applicable  
**Additional CAS No. (for hydrated forms):** Not applicable  
**Chemical Formula:** Not Applicable  
**Chemical Family:** Not applicable  
**Intended Use:** Water Analysis

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## 2. HAZARDS IDENTIFICATION

**GHS Classification:**  
**Hazard categories:** Not applicable  
**GHS Label Elements:**  
Not applicable

**Hazard statements:** Not applicable  
**Precautionary statements:** Not applicable  
**HMIS:**  
**Health:** 1  
**Flammability:** 0  
**Reactivity:** 0  
**Protective Equipment:** B - Safety Glasses and Gloves

**NFPA:**  
**Health:** 1  
**Flammability:** 0  
**Reactivity:** 0  
**Symbol:** Not applicable  
**WHMIS Hazard Classification:** Not applicable  
**WHMIS Symbols:** Not applicable

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## 3. COMPOSITION / INFORMATION ON INGREDIENTS

**Hazardous Components according to GHS:**

**Potassium Chloride**

**CAS Number:** 7447-40-7  
**Chemical Formula:** KCl  
**GHS Classification:** Acute Tox. 5 -Orl, H303; Skin Irrit. 3, H316; Eye Irrit. 2, H319; Aquatic Acute 3, H402  
**Percent Range (Trade Secret):** 30.0 - 40.0  
**Percent Range Units:** weight / weight  
**PEL:** 15 mg/m<sup>3</sup> as inhalable dust; 5 mg/m<sup>3</sup> as respirable dust  
**TLV:** 10 mg/m<sup>3</sup> as inhalable dust; 3 mg/m<sup>3</sup> as respirable dust

**WHMIS Symbols:** Not applicable

**Potassium Bisulfate**

**CAS Number:** 7646-93-7

**Chemical Formula:** KHSO<sub>4</sub>

**GHS Classification:** Acute Tox. 5-Orl, H303; Skin Corr. 1B, H314; STOT Single 3, H335

**Percent Range (Trade Secret):** 10-30

**Percent Range Units:** weight / weight

**PEL:** 15 mg/m<sup>3</sup> as inhalable dust; 5 mg/m<sup>3</sup> as respirable dust

**TLV:** 10 mg/m<sup>3</sup> as inhalable dust; 3 mg/m<sup>3</sup> as respirable dust

**WHMIS Symbols:** Corrosive

**Hazardous Components according to GHS:** No

**Proprietary Components**

**CAS Number:** Not applicable

**Chemical Formula:** Not applicable

**GHS Classification:** Not classified per GHS

**Percent Range (Trade Secret):** 20.0 - 30.0

**Percent Range Units:** weight / weight

**PEL:** Not established

**TLV:** Not established

**WHMIS Symbols:** Not applicable

**Melamine**

**CAS Number:** 108-78-1

**Chemical Formula:** C<sub>3</sub>H<sub>6</sub>N<sub>6</sub>

**GHS Classification:** Acute Tox. 5-Orl, H303; Acute Tox. 5-Derm, H313; Acute Tox. 4-Inh, H332; STOT Rep. 2, H373

**Percent Range (Trade Secret):** < 1.0

**Percent Range Units:** weight / weight

**PEL:** Not established

**TLV:** Not established

**WHMIS Symbols:** Other Toxic Effects

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## 4. FIRST AID MEASURES

**General Information:** In the event of exposure, show this Material Safety Data Sheet and label (where possible) to a doctor.

**Advice to doctor:** Treat symptomatically.

**Eye Contact:** Immediately flush eyes with water for 15 minutes. Call physician.

**Skin Contact (First Aid):** Wash skin with soap and plenty of water. Call physician if irritation develops.

**Inhalation:** Not applicable

**Ingestion (First Aid):** Give 1-2 glasses of water. Never give anything by mouth to an unconscious person. Induce vomiting using syrup of ipecac or by sticking finger down throat. Call physician immediately.

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## 5. FIRE FIGHTING MEASURES

**Flammable Properties:** Can burn in fire, releasing toxic vapors.

**Fire Fighting Instruction:** As in any fire, wear self-contained breathing apparatus pressure-demand and full protective gear.

**Extinguishing Media:** Use media appropriate to surrounding fire conditions

**Extinguishing Media NOT To Be Used:** Not applicable

**Fire / Explosion Hazards:** None reported

**Hazardous Combustion Products:** Toxic fumes of: carbon monoxide, carbon dioxide. potassium oxides chlorine

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## 6. ACCIDENTAL RELEASE MEASURES

**Spill Response Notice:**

Only persons properly qualified to respond to an emergency involving hazardous substances may respond to a spill according to federal regulations (OSHA 29 CFR 1910.120(a)(v)) and per your company's emergency response plan and guidelines/procedures. See Section 13, Special Instructions for disposal assistance.

**Containment Technique:** Stop spilled material from being released to the environment.

**Clean-up Technique:** Scoop up spilled material into a large beaker and dissolve with water. Flush reacted material to the drain with a large excess of water. Decontaminate the area of the spill with a soap solution.

**Evacuation Procedure:** Evacuate as needed to perform spill clean-up. If conditions warrant, increase the size of the evacuation.

**DOT Emergency Response Guide Number:** Not applicable

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## 7. HANDLING AND STORAGE

**Handling:** Avoid contact with eyes skin clothing. Maintain general industrial hygiene practices when using this product.

**Storage:** Keep this product in its original container when not in use. Store in a cool, dry, well-ventilated place. Keep this product and all other chemicals out of children's reach.

**Flammability Class:** Not applicable

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Engineering Controls:** Have an eyewash station nearby. Have a safety shower nearby. Use general ventilation to minimize exposure to mist, vapor or dust. Maintain general industrial hygiene practices when using this product.

**Personal Protective Equipment:**

**Eye Protection:** safety glasses with top and side shields

**Skin Protection:** disposable latex gloves

**Inhalation Protection:** adequate ventilation

**Precautionary Measures:** Avoid contact with: eyes skin clothing

**TLV:** Not Established

**PEL:** Not Established

**For Occupational Exposure Limits (OEL) for ingredients, see section 3 - Composition/Information on Ingredients.:**

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** White pellets

**Physical State:** Solid

**Molecular Weight:** Not Applicable

**Odor:** None

**Odor Threshold:** Odorless

**pH:** 6 (1 tablet in 10 mL of water)

**Metal Corrosivity:**

**Corrosivity Classification:** Not classified as corrosive to metals according to GHS criteria.

**Steel:** Not Determined

**Aluminum:** Not Determined

**Specific Gravity/ Relative Density (water = 1; air =1):** Not Determined

**Viscosity:** Not determined

**Solubility:**

**Water:** Soluble

**Acid:** Not Determined

**Other:** Not Determined

**Partition Coefficient (n-octanol / water):** Not determined

**Coefficient of Water / Oil:** Not Determined

**Melting Point:** Not Determined

**Decomposition Temperature:** Not determined

**Boiling Point:** Not Applicable

**Vapor Pressure:** Not Applicable  
**Vapor Density (air = 1):** Not Applicable  
**Evaporation Rate (water = 1):** Not Applicable  
**Volatile Organic Compounds Content:** Not Determined  
**Flammable Properties:** Can burn in fire, releasing toxic vapors.  
**Flash Point:** Not Applicable  
**Method:** Not applicable  
**Flammability Limits:**  
**Lower Explosion Limits:** Not Applicable  
**Upper Explosion Limits:** Not Applicable  
**Autoignition Temperature:** Not Determined  
**Explosive Properties:**  
Not classified according to GHS criteria.  
**Oxidizing Properties:**  
Not classified according to GHS criteria.  
**Reactivity Properties:**  
Not classified as self-reactive, pyrophoric, self-heating or emitting flammable gases in contact with water according to GHS criteria.  
**Gas under Pressure:**  
Not classified according to GHS criteria.

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## 10. STABILITY AND REACTIVITY

**Chemical Stability:** Stable when stored under proper conditions.  
**Mechanical Impact:** None reported  
**Static Discharge:** None reported.  
**Reactivity / Incompatibility:** None reported  
**Hazardous Decomposition:** Heating to decomposition releases toxic and/or corrosive fumes of: carbon dioxide carbon monoxide  
**Conditions to Avoid:** Excess moisture Excessive heat

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## 11. TOXICOLOGICAL INFORMATION

**Toxicokinetics, Metabolism and Distribution:** No information available for mixture.  
**Toxicologically Synergistic Products:** None reported  
**Acute Toxicity:** Not applicable  
**Specific Target Organ Toxicity - Single Exposure (STOT-SE):** Not applicable  
**Specific Target Organ Toxicity - Repeat Exposure (STOT-RE):** Not applicable  
**Skin Corrosion/Irritation:** Not applicable  
**Eye Damage:** Not applicable  
**Sensitization:** Not applicable  
**CMR Effects/Properties (carcinogenic, mutagenic or toxic to reproduction):** No data supporting germ cell mutagenicity, carcinogenicity or reproductive toxicity was found.  
An ingredient of this mixture is: IARC Group 3: Non-classifiable  
Melamine  
This product does NOT contain any NTP listed chemicals.  
This product does NOT contain any OSHA listed carcinogens.  
**Symptoms/Effects:**  
**Ingestion:** May be harmful if swallowed  
**Inhalation:** No effects anticipated  
**Skin Absorption:** None Reported  
**Chronic Effects:** None reported  
**Medical Conditions Aggravated:** Pre-existing: Eye conditions Skin conditions

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## 12. ECOLOGICAL INFORMATION

**Product Ecological Information:** --

No ecological data available for this product.

***Ingredient Ecological Information:*** --

No ecological data available for the ingredients of this product.

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## 13. DISPOSAL CONSIDERATIONS

***EPA Waste ID Number:*** Not applicable

***Special Instructions (Disposal):*** Dilute to 3 to 5 times the volume with cold water. Open cold water tap completely, slowly pour the material to the drain. Allow cold water to run for 5 minutes to completely flush the system.

***Empty Containers:*** Rinse three times with an appropriate solvent. Dispose of empty container as normal trash.

***NOTICE (Disposal):*** These disposal guidelines are based on federal regulations and may be superseded by more stringent state or local requirements. Please consult your local environmental regulators for more information. In Europe: Chemical and analysis solutions must be disposed of in compliance with the respective national regulations. Product packaging must be disposed of in compliance with the country-specific regulations or must be passed to a packaging return system.

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## 14. TRANSPORT INFORMATION

***D.O.T.:***

***D.O.T. Proper Shipping Name:*** Not Currently Regulated

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***Hazard Class:*** NA

***Subsidiary Risk:*** NA

***ID Number:*** NA

***Packing Group:*** NA

***T.D.G.:***

***Proper Shipping Name:*** Not Currently Regulated

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***Hazard Class:*** NA

***Subsidiary Risk:*** NA

***UN Number/PIN:*** NA

***Packing Group:*** NA

***I.C.A.O.:***

***I.C.A.O. Proper Shipping Name:*** Not Currently Regulated

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***Hazard Class:*** NA

***Subsidiary Risk:*** NA

***ID Number:*** NA

***Packing Group:*** NA

***I.M.O.:***

***Proper Shipping Name:*** Not Currently Regulated

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***Hazard Class:*** NA

***Subsidiary Risk:*** NA

***ID Number:*** NA

***Packing Group:*** NA

***Additional Information:*** There is a possibility that this product could be contained in a reagent set or kit composed of various compatible dangerous goods. If the item is NOT in a set or kit, the classification given above applies. If the item IS part of a set or kit, the classification would change to the following: UN3316 Chemical Kit, Class 9, PG II or III. If the item is not regulated, the Chemical Kit classification does not apply.

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## 15. REGULATORY INFORMATION

***U.S. Federal Regulations:***

***O.S.H.A.:*** This product meets the criteria for a hazardous substance as defined in the Hazard Communication Standard. (29 CFR 1910.1200)

***E.P.A.:***

**S.A.R.A. Title III Section 311/312 Categorization (40 CFR 370):** Immediate (Acute) Health Hazard  
**S.A.R.A. Title III Section 313 (40 CFR 372):** This product does NOT contain any chemical subject to the reporting requirements of Section 313 of Title III of SARA.  
Not applicable  
**302 (EHS) TPQ (40 CFR 355):** Not applicable  
**304 CERCLA RQ (40 CFR 302.4):** Not applicable  
**304 EHS RQ (40 CFR 355):** Not applicable  
**Clean Water Act (40 CFR 116.4):** Not applicable  
**RCRA:** Contains no RCRA regulated substances.

**State Regulations:**

**California Prop. 65:** No Prop. 65 listed chemicals are present in this product.

**Identification of Prop. 65 Ingredient(s):** Not applicable

**California Perchlorate Rule CCR Title 22 Chap 33:** Not applicable

**Trade Secret Registry:** Not applicable

**National Inventories:**

**U.S. Inventory Status:** All ingredients in this product are listed on the TSCA 8(b) Inventory (40 CFR 710).

**CAS Number:** Not applicable

**Canadian Inventory Status:** All ingredients of this product are DSL/NDSL Listed.

**EEC Inventory Status:** All ingredients used to make this product are listed on EINECS / ELINCS.

**Australian Inventory (AICS) Status:** Not determined

**New Zealand Inventory (NZIoC) Status:** Not determined

**Korean Inventory (KECI) Status:** Not determined

**Japan (ENCS) Inventory Status:** Not determined

**China (PRC) Inventory (MEP) Status:** Not determined

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## 16. OTHER INFORMATION

**References:** TLV's Threshold Limit Values and Biological Exposure Indices for 1992-1993. American Conference of Governmental Industrial Hygienists, 1992. Air Contaminants, Federal Register, Vol. 54, No. 12. Thursday, January 19, 1989. pp. 2332-2983. In-house information. Technical Judgment. Outside Testing. Sax, N. Irving. Dangerous Properties of Industrial Materials, 7th Ed. New York: Van Nostrand Reinhold Co., 1989.

**Complete Text of H phrases referred to in Section 3:** Not applicable

**Revision Summary:** .

**Date of MSDS Preparation:**

**Day:** 04

**Month:** December

**Year:** 2014

**MSDS Prepared:** MSDS prepared by Product Compliance Department extension 3350

**CCOHS Evaluation Note:** It is offered under exemption from WHMIS labeling as specified in the Controlled Products Regulation (CPR) Section 17.

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**Legend:**

NA - Not Applicable	w/w - weight/weight
ND - Not Determined	w/v - weight/volume
NV - Not Available	v/v - volume/volume

**USER RESPONSIBILITY:** Each user should read and understand this information and incorporate it in individual site safety programs in accordance with applicable hazard communication standards and regulations.

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