



## Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Page 1/8 Reviewed on 01/27/2020

Issue date 11/16/2019

### 1 Identification

- **Product identifier**
- **Trade name: Green Guardian 100X- 500 ml**
- **Relevant identified uses of the substance or mixture and uses advised against**
- **Product description** Stable, multi-spore culture concentration.
- **Application of the substance / the mixture** Water, surface, laundry/carpet and waste treatment.
- **Details of the supplier of the safety data sheet · Manufacturer/Supplier:**  
Competitive Choice, Inc. P.O. Box 35743 Houston, TX 77235
- **Emergency telephone number:** 1-866-503-1698 ext. 712

### 2 Hazard(s) identification

- **Classification of the substance or mixture** GHS07



Skin Sens. 1 H317 May cause an allergic skin reaction.

- **Label elements**
- **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS). · **Hazard pictograms**



GHS07

- **Signal word** Warning
- **Hazard-determining components of labeling:** None
- **Hazard statements**

May cause an allergic skin reaction.

- **Precautionary statements**

Avoid breathing dust/fume/gas/mist/vapors/spray.

Wear protective gloves.

Contaminated work clothing must not be allowed out of the workplace.

Specific treatment (see supplementary first aid instructions on this Safety Data Sheet).

Wash contaminated clothing before reuse.

If skin irritation or rash occurs: Get medical advice/attention.

If on skin: Wash with plenty of water.

Dispose of contents/container in accordance with local/regional/national/international regulations.

**Classification system: NFPA ratings (scale 0-4)**



(Contd. on page 2)

## Safety Data Sheet (SDS)

Page 2/8 11/16/2019

**Trade name:** · Green Guardian 100X- 500 ml

**HMIS-ratings (scale 0 - 4)** Health = 0 Fire = 0 Reactivity = 0

HEALTH	0
FIRE	0
REACTIVITY	0

· **Hazard(s) not otherwise classified (HNOC):** None

### 3. Composition/Information on Ingredients

· **Chemical characterization: Mixtures**

· **Description:** Mixture of substances listed below with nonhazardous additions.

· **Dangerous Components:**

2634-33-5 1,2-benzisothiazol-3(2H)-one < 2.5%

Eye Dam. 1, H318; Aquatic Acute 1, H400; Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1, H317

52-51-7 bronopol (INN) <2.5%

Eye Dam. 1, H318; Aquatic Acute 1, H400; Acute Tox. 4, H302; Acute Tox. 4, H312; Skin Irrit. 2, H315; STOT SE 3, H335

· **Dangerous Components: None**

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### 4. First Aid Measure

· **Description of first aid measures**

· **After inhalation:** In case of unconsciousness, place patient securely on side position for transportation.

· **After skin contact:** Immediately wash with water and soap and rinse thoroughly.

· **After eye contact:** Rinse opened eye for several minutes under running water.

· **After swallowing:** If swallowed and symptoms occur, consult a doctor.

· **Information for doctor:**

· **Most important symptoms and effects, both acute and delayed:** No further relevant information available. ·

**Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

### 5. Fire Fighting Measures

· **Extinguishing media**

· **Suitable extinguishing agents:**

CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam. · **Special hazards arising from the substance or mixture**

If incinerated, product may release toxic fumes including: Carbon Oxides, Sodium Oxides, Nitrogen Oxides (NO<sub>x</sub>), Sodium Oxides, Potassium Oxides and Phosphorous Oxides. · **Advice for firefighters**

· **Protective equipment:**

As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent), and full protective gear to prevent contact with skin and eyes.

### 6. Accidental Release Measures

· **Personal precautions, protective equipment and emergency procedures** Not required. · **Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (i.e. sand, diatomite, acid binders, universal binders, sawdust). Ensure adequate ventilation.

Dispose of the collected material according to regulations.

· **Reference to other sections**

See Section 7 for information on safe handling.

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(Contd. on page 3)

**Trade name: Green Guardian 100X- 500 ml**

See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

**7 Handling and storage**

· **Handling:**

· **Precautions for safe handling**

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

· **Information about protection against explosions and fires:** No special measures required.

· **Conditions for safe storage, including any incompatibilities** Store away from strong oxidizing agents.

· **Storage:**

· **Requirements to be met by storerooms and receptacles:** No special requirements.

· **Information about storage in one common storage facility:** Not required.

· **Further information about storage conditions:** None.

· **Specific end use(s)** No further relevant information available.

**8 Exposure controls/personal protection**

· **Additional information about design of technical systems:** No further data; see section 7.

· **Control parameters**

All ventilation should be designed in accordance with OSHA standard (29 CFR 1910.94). Use local exhaust at filling zones and where leakage and dust formation is probable. Use mechanical (general) ventilation for storage areas. Use appropriate ventilation as required to keep Exposure Limits in Air below TLV & PEL limits.

· **Components with occupational exposure limits:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

· **Additional information:** The lists that were valid during the creation of this SDS were used as basis.

· **Exposure controls**

· **Personal protective equipment:**

· **General protective and hygienic measures:**

Immediately remove all soiled and contaminated clothing and wash before reuse.

Wash hands before breaks and at the end of work. · **Breathing equipment:** Not required.

· **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Select glove material based on penetration times, rates of diffusion and degradation.

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

The exact break-through time has to be determined and observed by the manufacturer of the protective gloves.

(Contd. on page 4)

## Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Page 4/8 Reviewed on 11/16/2019

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**Trade name: Green Guardian 100X- 500 ml**

**Eye protection:**



Goggles recommended during refilling.

### 9 Physical and chemical properties

· **Information on basic physical and chemical properties** · **General Information**

· **Appearance:**

**Form:** Liquid

**Color:** · Light green

**Odor:** Odorless

· **Odor threshold:** Not determined.

· **pH-value @ 20 °C (68 °F):** <8

· **Change in condition**

**Melting point/Melting range:** Not determined

**Boiling point/Boiling range:** 100 °C (212 °F)

· **Flash point:** Not applicable.

· **Flammability (solid, gaseous):** Not applicable.

· **Ignition temperature:**

**Decomposition temperature:** Not determined

· **Auto igniting:** Product is not self-igniting

· **Danger of explosion:** Product does not present an explosion hazard.

· **Explosion limits:**

**Lower:** 0.0 Vol %

**Upper:** 0.0 Vol %

· **Vapor pressure @ 20 °C (68 °F):** 23 hPa (17 mm Hg)

· **Density @ 20 °C (68 °F):** · 1.007 g/cm<sup>3</sup> (8.403 lbs/gal)

**Relative density** Not determined.

· **Vapor density** Not determined.

· **Evaporation rate** Not determined.

· **Solubility in / Miscibility with Water:** Not miscible or difficult to mix

· **Partition coefficient (n-octanol/water):** Not determined.

· **Viscosity:**

**Dynamic:** Not determined.

**Kinematic:** Not determined.

· **Solvent content:**

**Organic solvents: 0.0%**

**Water: 99.0%**

**Solids content: 0.7%**

(Contd. on page 5)

# Safety Data Sheet (SDS)

Page 5/8 Issue date 11/16/2019

**Trade name: Green Guardian 100X- 500 ml**

· **Other information** No further relevant information available.

## \* 10 Stability and reactivity

· **Reactivity** No further relevant information available.

· **Chemical stability** Stable under normal conditions.

· **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications. ·

**Possibility of hazardous reactions** No dangerous reactions known.

· **Conditions to avoid** No further relevant information available.

· **Incompatible materials:** Strong oxidizing agents.

· **Hazardous decomposition products:**

Carbon Oxides, Sodium Oxides, Nitrogen Oxides (NOx), Sodium Oxides, Potassium Oxides and Phosphorous Oxides.

## \* 11 Toxicological information

· **Information on toxicological effects**

· **Acute toxicity:**

· **Primary irritant effect:**

· **on the skin:** Emissions from broken bulbs may cause an allergic skin reaction. · **on the eye:** Irritating effect.

· **Sensitization:** Sensitization possible through skin contact. · **Additional toxicological information:**

The product shows the following dangers according to internally approved calculation methods for preparations:  
Irritant

· **Carcinogenic categories**

· **IARC (International Agency for Research on Cancer)**

Substance is not listed. None of the ingredients are listed - NTP national Toxicology Program, OSHA-Ca

## \* 12 Ecological information

· **Toxicity**

· **Aquatic toxicity:** No further relevant information available.

· **Persistence and degradability** No further relevant information available. · **Behavior in environmental systems:**

· **Bio accumulative potential** No further relevant information available.

· **Mobility in soil** No further relevant information available.

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

· **Other adverse effects** No further relevant information available.

## 13 Disposal considerations

· **Uncleaned packaging:**

· **Recommendation:** Disposal must be made according to official regulations.

(Contd. on page 6)

Trade name: Green Guardian 100X- 500 ml

\* **14 Transport information**

- **UN-Number**
- **DOT, ADR, ADN, IMDG, IATA** Non-Regulated Material
- **UN proper shipping name**
- **DOT, ADR, ADN, IMDG, IATA** Non-Regulated Material
- **Transport hazard class(es)**
- **DOT, ADR, ADN, IMDG, IATA**
- **Class** Non-Regulated Material
- **Packing group**
- **DOT, ADR, IMDG, IATA** Non-Regulated Material
- **Environmental hazards:** Not applicable.
- **Special precautions for user** Not applicable.
- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.
- **UN "Model Regulation":**

\* **15 Regulatory information**

- **Safety, health and environmental regulations/legislation specific for the substance or mixture** · Sara
- **California Proposition 65**
- **Section 355 (extremely hazardous substances):**
  - None of the ingredients are listed.
  - **Section 313 (Specific toxic chemical listings):**
    - 52-51-7
    - bronopol (INN)
  - **TSCA (Toxic Substances Control Act):**
    - All ingredients are listed.
    - **Chemicals known to cause cancer:**
      - None of the ingredients are listed.
    - **Chemicals known to cause reproductive toxicity for females:**
      - None of the ingredients are listed.
    - **Chemicals known to cause reproductive toxicity for males:**
      - None of the ingredients are listed.
    - **Chemicals known to cause developmental toxicity:**
      - None of the ingredients are listed.
    - **Carcinogenic categories**
- **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).
- **EPA (Environmental Protection Agency)**
  - None of the ingredients are listed.
  - **TLV (Threshold Limit Value established by ACGIH)**
    - None of the ingredients are listed.
  - **NIOSH-Ca (National Institute for Occupational Safety and Health)**
    - None of the ingredients are listed.

# Safety Data Sheet (SDS)

Page 7/8 Reviewed on 11/16/2019

**Trade name: Green Guardian 100X- 500 ml**

· **Hazard pictograms**



GHS07

- **Signal word** Warning
- **Hazard-determining components of labeling:** None
- **Hazard statements**

May cause an allergic skin reaction.

· **Precautionary statements**

Avoid breathing dust/fume/gas/mist/vapors/spray.

Wear protective gloves.

Contaminated work clothing must not be allowed out of the workplace.

Specific treatment (see supplementary first aid instructions on this Safety Data Sheet).

Wash contaminated clothing before reuse.

If skin irritation or rash occurs: Get medical advice/attention.

If on skin: Wash with plenty of water.

Dispose of contents/container in accordance with local/regional/national/international regulations.

· **National regulations:**

The product is subject to be classified according with the latest version of the regulations on hazardous substances.

Does not contain any hazardous materials

- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

(Contd. on page 8)

# Safety Data Sheet (SDS)

Page 8/8 Reviewed on 11/16/2019

## 16 Other information

The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create warranty, expressed or implied, and shall not establish a legally valid contractual relationship. It is the responsibility of the user to determine applicability of this information and the suitability of the material or product for any particular purpose.

· **Date of preparation / last revision** 11/16/2019 Reviewed 1-27-2020

· **Abbreviations and acronyms:**

ADR: The European Agreement concerning the International Carriage of Dangerous Goods by Road

ADN: The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society) NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

Acute Tox. 4: Acute toxicity, Hazard Category 4

Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2

Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1

Skin Sens. 1: Sensitization - Skin, Hazard Category 1

STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3 Aquatic Acute 1: Hazardous to the aquatic environment - Acute Hazard, Category 1

· **\* Data compared to the previous version altered**