

Safety Data Sheet (SDS)

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

Issue date 08/06/2019

Reviewed on 08/06/2019

* 1 Identification

· *Product Identifier*

· *Trade Name: Natural Toilet Bowl Cleaner- All Variants*

· *Relevant identified uses of the substance or mixture and uses advised against:* Household Product

· *Product Description:* Liquid toilet cleaner that removes mold, mildew, and other soils

· *Application of the substance / the mixture:*

This product is packaged for retail sale, and intended for consumer use. The U.S. OSHA Hazard Communication Standard (29 CFR 1910.1200) does not apply to "consumer products" as defined by the U.S. Consumer Product Safety Act and Federal Hazardous Substances Act. This Safety Data Sheet (SDS) is provided to assist with proper use and safe handling of this product. Other applicable consumer product use and safety information can be found on the product label.

· *Details of the Supplier of the Safety Data Sheet:*

· *Manufacturer/Supplier:*

Greenology Products, Inc.

8305 Falls of the Neuse Road, Suite 206

Raleigh, NC 27615

Phone: 919-518-0908

Fax: 919-845-0084

<http://www.greenshieldorganic.com/>

· *Emergency telephone number:*

Chemtel (800) 255-3924

International: +01 (813) 248-0584

2 Hazard(s) Identification

· *Classification of the substance or mixture:*

The product does not need classification according to OSHA HazCom Standard 29 CFR paragraph (d) of §1910.1200(g) and GHS Rev 03.

· *Label elements:*

· *Hazard pictograms:* Non-Regulated Material

· *Signal word:* Non-Regulated Material

· *Hazard statements:* Non-Regulated Material

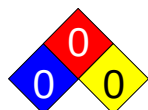
· *Unknown acute toxicity:*

This value refers to knowledge of known, established toxicological or ecotoxicological values.

0 % of the mixture consists of component(s) of unknown toxicity.

· *Classification system:* NFPA/HMIS Definitions: 0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme

· *NFPA ratings (scale 0 - 4)*



Health = 0

Fire = 0

Reactivity = 0

· *HMIS-ratings (scale 0 - 4)*



Health = *0

Fire = 0

Physical Hazard = 0

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

* 3 Composition/Information on Ingredients

· *Chemical characterization: Mixtures*

· *Description:* Mixture of substances listed below with non-hazardous additions.

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· <i>Dangerous Components:</i>		
CAS: 68515-73-1	D-glucopyranose, oligomeric, decyl octyl, glycoside	0-5%
	⚠ Eye Dam. 1, H318; Aquatic Acute 2, H401	
CAS: 77-92-9	Citric Acid	0-5%
RTECS: GE 7350000	⚠ Skin Irrit. 2, H315; Eye Irrit. 2A, H319	

· *Additional information:*

The exact percentages of the ingredients of this mixture are considered to be proprietary and are withheld in accordance with the provisions of paragraph (i) of §1910.1200 of 29 CFR 1910.1200 Trade Secrets.

* 4 First-Aid Measures

· *Description of first aid measures*

· *General information:* If symptoms persist, call a physician.

· *After inhalation:* Not expected. Get medical attention immediately if symptoms occur.

· *After skin contact:* If skin irritation occurs, consult a doctor.

· *After eye contact:*

If eye irritation occurs, consult a doctor.

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:* Use fire fighting measures that suit the environment.

· *For safety reasons unsuitable extinguishing agents:* No further relevant information.

· *Special hazards arising from the substance or mixture:* No further relevant information available.

· *Advice for firefighters*

· *Special protective equipment for firefighters:*

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.

· *Environmental precautions:* No special measures required.

· *Methods and material for containment and cleaning up:*

Household Environment: Small spills and leaks may be cleaned up and disposed of in normal household trash.

Industrial Environment: Material may slippery. Absorb with liquid-binding material (i.e. sand, diatomite, acid binders, universal binders, sawdust). Avoid releasing large amounts of material to the sewer system. Dispose of the collected material according to regulations.

· *Reference to other sections:*

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

· *Protective Action Criteria for Chemicals*

· *PAC-1:*

None of the ingredients are listed.

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· PAC-2:
None of the ingredients are listed.
· PAC-3:
None of the ingredients are listed.

* 7 Handling and Storage

- *Handling*
- *Precautions for safe handling:*
 - Household Environment: Please follow the product label.
 - Industrial Setting: Wear protective equipment as detailed in section 8.
- *Information about protection against explosions and fires:* No special measures required.
- *Conditions for safe storage, including any incompatibilities*
- *Storage*
- *Requirements to be met by storerooms and receptacles:*
 - KEEP OUT OF REACH OF CHILDREN AND PETS. Store in original container in a cool, dry place and keep container closed when not in use. Avoid freezing and hot temperatures .
- *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:*
- *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:*
 - The usual precautionary measures for handling chemicals should be followed.
 - Wash hands before breaks and at the end of work.
- *Breathing equipment:* Not required.
- *Protection of hands:* Not required.
- *Material of gloves:* Not applicable.
- *Penetration time of glove material:* Not applicable.
- *Eye protection:*



Tightly sealed goggles required in a manufacturing setting only.

- *Limitation and supervision of exposure into the environment:*
 - Keep away from drains, surface and ground waters.
 - Avoid release into the environment.

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9 Physical and Chemical Properties

- Information on basic physical and chemical properties
- General Information
- Appearance:
 - Form: Liquid
 - Color: Colorless to pale yellow
- Odor: Various
- Odor threshold: Not determined.
- pH-value @ 20 °C (68 °F): 2-3
- Change in condition
 - Melting point/Melting range: Not determined.
 - Boiling point/Boiling range: ≥ 100 °C (≥ 212 °F)
- Flash point: None
- Flammability (solid, gaseous): Not applicable.
- Ignition temperature: Not applicable
- Decomposition temperature: Not determined.
- Auto igniting: Product is not self-igniting.
- Danger of explosion: Product does not present an explosion hazard.
- Explosion limits:
 - Lower: Not determined.
 - Upper: Not determined.
- Vapor pressure: Not determined.
- Density @ 20 °C (68 °F): 0.9827 g/cm³ (8.2006 lbs/gal)
- Relative density: Not determined.
- Vapor density: Not determined.
- Evaporation rate: Not determined.
- Solubility in / Miscibility with:
 - Water: Fully miscible.
- Partition coefficient (n-octanol/water): Not determined.
- Viscosity:
 - Dynamic: Not determined.
 - Kinematic: Not determined.
- Solvent content:
 - VOC content: 0.00 %
0.0 g/l / 0.00 lb/gal
- 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.

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· **Conditions to avoid:**

In a household environment, cleaning products should not be mixed with other household chemicals, unless specifically stated in the use directions.

· **Incompatible materials:** No further relevant information available.

· **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological Information

· **Information on toxicological effects:**

· **Acute toxicity:**

· **LD/LC50 values that are relevant for classification:**

68515-73-1 D-glucopyranose, oligomeric, decyl octyl, glycoside

Oral	LD50	>2,000 mg/kg (Rat)
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Dermal	LD50	>2,000 mg/kg (Rabbit)
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77-92-9 Citric Acid

Oral	LD50	5,040 mg/kg (Mouse)
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		5,400 mg/kg (Rat)
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Dermal	LD50	>2,000 mg/kg (Rat)
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	LC50/48 hrs	440 mg/l (Daphnia)
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· **Primary irritant effect:**

· **On the skin:** No irritating effect.

· **On the eye:** No irritating effect.

· **Additional toxicological information:**

· **Carcinogenic categories:**

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

None of the ingredients are listed.

· **NTP (National Toxicology Program):**

None of the ingredients are listed.

· **OSHA-Ca (Occupational Safety & Health Administration):**

None of the ingredients are listed.

*12 Ecological Information

· **Toxicity:**

· **Aquatic toxicity:**

Avoid release into the environment. Runoff from fire control or dilution water may cause pollution.

68515-73-1 D-glucopyranose, oligomeric, decyl octyl, glycoside

EC50	>100 mg/l (Daphnia) (OECD 202)
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	Duration 48 hour
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77-92-9 Citric Acid

EC50	1,534 mg/l (Daphnia)
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· **Persistence and degradability:** No further relevant information available.

· **Behavior in environmental systems:**

· **Bioaccumulative potential:** No further relevant information available.

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

· **Ecotoxicological effects:**

· **Remark:** Harmful to fish

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- *Additional ecological information:*
- *General notes:* Generally not hazardous for water.
- *Results of PBT and vPvB assessment:*
- *PBT:* Not applicable.
- *vPvB:* Not applicable.
- *Other adverse effects:* No further relevant information available.

* 13 Disposal Considerations

- *Waste treatment methods*
- *Recommendation:*
Smaller quantities can be disposed of with household waste.
Observe all federal, state and local environmental regulations when disposing of this material.
- *Uncleaned packaging*
- *Recommendation:* Offer empty container for recycling. If recycling is not available, discard in trash.
- *Recommended cleansing agent:* Water, if necessary with cleansing agents.

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, ADN, IMDG, IATA*
- *Class:* Non-Regulated Material
- *Packing group:*
- *DOT, ADR/ADN, 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":* Non-Regulated Material

15 Regulatory Information

- *Safety, health and environmental regulations/legislation specific for the substance or mixture:*
- *SARA (Superfund Amendments and Reauthorization):*

· *Section 355 (extremely hazardous substances):*

None of the ingredients are listed.

· *Section 313 (Specific toxic chemical listings):*

None of the ingredients are listed.

· *TSCA (Toxic Substances Control Act):*

All components have the value ACTIVE.

· *Hazardous Air Pollutants*

None of the ingredients are listed.

· *California Proposition 65:*

· *Chemicals known to cause cancer:*

None of the ingredients are listed.

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· 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.
· New Jersey Right-to-Know List:
None of the ingredients are listed.
· New Jersey Special Hazardous Substance List:
None of the ingredients are listed.
· Pennsylvania Right-to-Know List:
None of the ingredients are listed.
· Pennsylvania Special Hazardous Substance List:
None of the ingredients are listed.
· Carcinogenic categories:
· 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.
· GHS label elements Non-Regulated Material
· Hazard pictograms: Non-Regulated Material
· Signal word: Non-Regulated Material
· Hazard statements: Non-Regulated Material
· National regulations:
None of the ingredients are listed.
· Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

*16 Other Information

Consumer Product Label Information

DIRECTIONS: Pull cap to open. Squirt cleaner in and around toilet bowl. Scrub bowl then flush.

CAUTION: Keep out of reach from children. If cleaner comes in contact with skin, simply rinse with warm water. Eye irritant, in case of eye contact flush with cool water for 15 minutes. Harmful if swallowed. If ingested, drink plenty of water and do not induce vomiting. If discomfort continues consult a medical professional.

STORAGE & DISPOSAL: Store at room temperature away from direct sunlight. Do not reuse bottle to store any other liquids. Please rinse and recycle bottle for disposal.

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 last revision/ revision number: 08/06/2019 / 1

· 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

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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)
VOC: Volatile Organic Compounds (USA, EU)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
NIOSH: National Institute for Occupational Safety and Health
OSHA: Occupational Safety & Health Administration
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A
Aquatic Acute 2: Hazardous to the aquatic environment - acute aquatic hazard – Category 2

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

SDS created by MSDS Authoring Services www.msdsauthoring.com +1-877-204-9106