

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: Organic Veggie Wash*
- *Relevant identified uses of the substance or mixture and uses advised against:* Household Product
- *Product Description:* Liquid cleaning agent for vegetables and fruit
- *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)*



- *HMIS-ratings (scale 0 - 4)*

HEALTH	0	Health = 0
FIRE	0	Fire = 0
REACTIVITY	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: 64-17-5	Organic Ethyl Alcohol	0-2.5%
RTECS: KQ 6300000	⚠ Flam. Liq. 2, H225; ⚠ Skin Irrit. 2, H315; STOT SE 3, H335; Eye Irrit. 2B, H320	

- *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:*
Immediately wash with water and soap and rinse thoroughly.
If skin irritation occurs, consult a doctor.
- *After eye contact:*
Rinse opened eye for several minutes under running water.
If eye irritation occurs, consult a doctor.
- *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*

· <i>PAC-1:</i>		
64-17-5	Organic Ethyl Alcohol	1,800 ppm

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· PAC-2:		
64-17-5	Organic Ethyl Alcohol	3300* ppm
· PAC-3:		
64-17-5	Organic Ethyl Alcohol	15000* ppm

*** 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:*

· <i>Components with occupational exposure limits:</i>	
64-17-5 Organic Ethyl Alcohol	
PEL	Long-term value: 1900 mg/m ³ , 1000 ppm
REL	Long-term value: 1900 mg/m ³ , 1000 ppm
TLV	Short-term value: 1880 mg/m ³ , 1000 ppm

- *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:* Not necessary under normal conditions.
- *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 recommended in a manufacturing setting only.

- *Limitation and supervision of exposure into the environment:* None

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* **9 Physical and Chemical Properties**

- Information on basic physical and chemical properties
- General Information
- Appearance:
 - Form: Liquid
 - Color: Light yellow
- Odor: Neutral
- Odor threshold: Not determined.
- pH-value @ 20 °C (68 °F): 10-11
- 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 @ 20 °C (68 °F): ≤23 hPa (≤17.3 mm Hg)
- Density @ 20 °C (68 °F): 0.996 g/cm³ (8.3116 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:
 - Organic solvents: 2.0 %
 - VOC content: 2.00 %
- 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:**

64-17-5 Organic Ethyl Alcohol		
Oral	LD50	7,060 mg/kg (Rat) Remarks: Lungs, Thorax, or Respiration: Other changes. Carcinogenicity - Mouse - Oral Tumorigenic: Equivocal tumorigenic agent by RTECS criteria. Liver: Tumors. Blood: Lymphomas including Hodgkin's disease. Central nervous system depression, narcosis, Damage to the heart., To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. Heart - Irregularities - Based on Human Evidence Central nervous system - Breathing difficulties - Based on Human Evidence Stomach - Irregularities - Based on Human Evidence
Inhalative	LC50/4 h	20,000 mg/l (Rat)
	LC50/96 hours	12,900-15,300 mg/l (Trout)

- **Primary irritant effect:**
- **On the skin:** Irritant to skin and mucous membranes.
- **On the eye:** No irritating effect.
- **Additional toxicological information:**
The product is not subject to classification according to internally approved calculation methods for preparations.
When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.
- **Carcinogenic categories:**
- **IARC (International Agency for Research on Cancer):**
The IARC (the International Agency for Research on Cancer) concluded that ethanol found alcoholic beverages to be Group 1 - Carcinogenic to humans. All other instances it is not consider carcinogenic.
Group 1 - Carcinogenic to humans
Group 2A - Probably carcinogenic to humans
Group 2B - Possibly carcinogenic to humans
Group 3 - Not classifiable as to its carcinogenicity to humans
Group 4 - Probably not carcinogenic to humans

64-17-5	Organic Ethyl Alcohol	1
· NTP (National Toxicology Program):		
None of the ingredients are listed.		
· OSHA-Ca (Occupational Safety & Health Administration):		
None of the ingredients are listed.		

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*** 12 Ecological Information**

• *Toxicity:*

• <i>Aquatic toxicity:</i>
64-17-5 Organic Ethyl Alcohol
EC50 34,900 mg/l (Daphnia)

- *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.
- *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.
Disposal must be made according to official regulations.
- *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

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*** 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.

• 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:
64-17-5 Organic Ethyl Alcohol

• New Jersey Right-to-Know List:
64-17-5 Organic Ethyl Alcohol

• New Jersey Special Hazardous Substance List:	
64-17-5 Organic Ethyl Alcohol	CA, MU, TE, F3

• Pennsylvania Right-to-Know List:
64-17-5 Organic Ethyl Alcohol

• 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):	
64-17-5 Organic Ethyl Alcohol	A3

• 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.

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

* **16 Other Information**

Consumer Product Label Information

DIRECTIONS: For firm produce such as potatoes, tomatoes, cucumbers, apples: Spray wash directly on produce, rub for 30-40 seconds. Rinse under running water.

For soft or leafy produce such as lettuce, broccoli, berries: Dilute ¼ cup (2 oz.) of wash in a large bowl of water (½ to 1 gallon). Submerge and soak or swirl produce in diluted wash for 30-40 seconds. Rinse thoroughly under running water. Pat dry.

Fruit & Vegetable Wash is not recommended for use on mushrooms due to their porous nature. Settling of ingredients may occur. If necessary, gently shake before use.

CAUTION: Keep out of reach from children. Eye irritant, in case of eye contact flush with cool water for 15 minutes. 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 recycle.

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

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)

HMS: 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

Flam. Liq. 2: Flammable liquids – Category 2

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Irrit. 2B: Serious eye damage/eye irritation – Category 2B

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

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

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