

Safety Data Sheet (SDS)

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

Issue date 08/07/2019

Reviewed on 08/07/2019

1 Identification

- *Product Identifier*
- *Trade Name: Organic Liquid Fabric Softener- All Variants*
- *Relevant identified uses of the substance or mixture and uses advised against:* Household Product
- *Product Description:*
Liquid cleaning agent for reducing static and softening cloth materials in washing machine
- *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:*



Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2B H320 Causes eye irritation.

- *Label elements:*
- *Hazard pictograms:*



- *Signal word:* Warning
- *Hazard-determining components of labeling:*
Acetic Acid
- *Hazard statements:*
H315+H320 Causes skin and eye irritation.
- *Precautionary statements:*

P264	Wash thoroughly after handling.
P280	Wear protective gloves.
P302+P352	If on skin: Wash with plenty of water.
P321	Specific treatment (see supplementary first aid instructions on this Safety Data Sheet).
P305+P351+P338	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332+P313	If skin irritation occurs: Get medical advice/attention.

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- P362+P364 Take off contaminated clothing and wash it before reuse.
- P337+P313 If eye irritation persists: Get medical advice/attention.

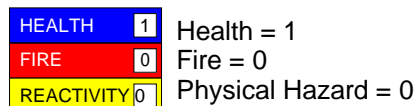
• **Unknown acute toxicity:**

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)**



- **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.

• **Dangerous Components:**

CAS: 64-19-7	Acetic Acid	0-10%
RTECS: AF 1225000	⚠ Flam. Liq. 3, H226; ⚠ Skin Corr. 1A, H314; ⚠ Acute Tox. 4, H312; Acute Tox. 4, H332	

• **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:**
If easy to do so, remove contact lenses if worn.
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:**
CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

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- For safety reasons unsuitable extinguishing agents: Water with full jet
- Special hazards arising from the substance or mixture:
Combustible liquid. Vapors can travel to a source of ignition and flash back.
Explosive mixtures may occur at temperatures at or above flashpoint.
- 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:
Wear protective equipment. Keep unprotected persons away.
- 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:		
64-19-7	Acetic Acid	5 ppm
64-17-5	Organic Ethyl Alcohol	1,800 ppm
· PAC-2:		
64-19-7	Acetic Acid	35 ppm
64-17-5	Organic Ethyl Alcohol	3300* ppm
· PAC-3:		
64-19-7	Acetic Acid	250 ppm
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:
Keep ignition sources away - Do not smoke.
Protect from heat.
Protect against electrostatic charges.
- 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.

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- *Further information about storage conditions:*
Keep receptacle tightly sealed.
Protect from heat and direct sunlight.
- *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:*

64-19-7 Acetic Acid

PEL Long-term value: 25 mg/m³, 10 ppm

REL Short-term value: 37 mg/m³, 15 ppm
Long-term value: 25 mg/m³, 10 ppm

TLV Short-term value: 37 mg/m³, 15 ppm
Long-term value: 25 mg/m³, 10 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:*

The usual precautionary measures for handling chemicals should be followed.

Keep away from foodstuffs, beverages and feed.

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

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

• *Breathing equipment:* Not required.

• *Protection of hands:*

Protective gloves recommended in manufacturing.



Protective gloves

• *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.

• *Eye protection:*



Tightly sealed goggles required 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: 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: ≥485 °C (≥905 °F)
- Decomposition temperature: Not determined.
- Auto igniting: Product is not self-igniting.
- Danger of explosion: Product is not explosive. However, formation of explosive air/vapor mixtures are possible.
- Explosion limits:
 - Lower: ≥4 Vol %
 - Upper: ≤17 Vol %
- Vapor pressure @ 20 °C (68 °F): ≤23 hPa (≤17.3 mm Hg)
- Density @ 20 °C (68 °F): 0.9998 g/cm³ (8.3433 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: 1.7 %
 - Water: 97.5 %
 - VOC content: 1.74 %
 - Solids content: 0.8 %
- Other information: No further relevant information available.

10 Stability and Reactivity

- Reactivity: No further relevant information available.
- Chemical stability: Stable under normal conditions.

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- *Thermal decomposition / conditions to be avoided:* No decomposition if used according to specifications.
- *Possibility of hazardous reactions:* No dangerous reactions known.
- *Conditions to avoid:*
In a household environment, cleaning products should not be mixed with other household chemicals, unless specifically stated in the use directions.
Heat, flame and ignition sources.
- *Incompatible materials:* No further relevant information available.
- *Hazardous decomposition products:* No dangerous decomposition products known.

11 Toxicological Information

- *Information on toxicological effects:*
- *Acute toxicity:*

· <i>LD/LC50 values that are relevant for classification:</i>		
64-19-7 Acetic Acid		
Oral	LD50	3,310 mg/kg (Rat)
Dermal	LD50	1,112 mg/kg (Rabbit)
Inhalative	LC50/4 h	11.4 mg/l (Rat)
	LC50/96 hours	>1,000 mg/l (Trout)

- *Primary irritant effect:*
- *On the skin:* Irritant to skin and mucous membranes.
- *On the eye:* Irritating effect.
- *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):*
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
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.

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

12 Ecological Information

- *Toxicity:*

· <i>Aquatic toxicity:</i>	
64-19-7 Acetic Acid	
EC50	>300.82 mg/l (Water flea)

- *Persistence and degradability:* No further relevant information available.

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- *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.
- *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):*

· <i>Section 355 (extremely hazardous substances):</i>	None of the ingredients are listed.
· <i>Section 313 (Specific toxic chemical listings):</i>	None of the ingredients are listed.
· <i>TSCA (Toxic Substances Control Act):</i>	All components have the value ACTIVE.
· <i>Hazardous Air Pollutants</i>	None of the ingredients are listed.

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· *California Proposition 65:*

· <i>Chemicals known to cause cancer:</i>		
None of the ingredients are listed.		
· <i>Chemicals known to cause reproductive toxicity for females:</i>		
None of the ingredients are listed.		
· <i>Chemicals known to cause reproductive toxicity for males:</i>		
None of the ingredients are listed.		
· <i>Chemicals known to cause developmental toxicity:</i>		
64-17-5	Organic Ethyl Alcohol	
· <i>New Jersey Right-to-Know List:</i>		
64-19-7	Acetic Acid	
64-17-5	Organic Ethyl Alcohol	
· <i>New Jersey Special Hazardous Substance List:</i>		
64-19-7	Acetic Acid	CO, F2
64-17-5	Organic Ethyl Alcohol	CA, MU, TE, F3
· <i>Pennsylvania Right-to-Know List:</i>		
64-19-7	Acetic Acid	
64-17-5	Organic Ethyl Alcohol	
· <i>Pennsylvania Special Hazardous Substance List:</i>		
64-19-7	Acetic Acid	E

· *Carcinogenic categories:*

· <i>EPA (Environmental Protection Agency):</i>		
None of the ingredients are listed.		
· <i>TLV (Threshold Limit Value established by ACGIH):</i>		
64-17-5	Organic Ethyl Alcohol	A3
· <i>NIOSH-Ca (National Institute for Occupational Safety and Health):</i>		
None of the ingredients are listed.		

· *GHS label elements*

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

· *Hazard pictograms:*



· *Signal word:* Warning

· *Hazard-determining components of labeling:*

Acetic Acid

· *Hazard statements:*

H315+H320 Causes skin and eye irritation.

· *Precautionary statements:*

P264 Wash thoroughly after handling.

P280 Wear protective gloves.

P302+P352 If on skin: Wash with plenty of water.

P321 Specific treatment (see supplementary first aid instructions on this Safety Data Sheet).

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Trade Name: Organic Liquid Fabric Softener- All Variants

- P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P332+P313 If skin irritation occurs: Get medical advice/attention.
- P362+P364 Take off contaminated clothing and wash it before reuse.
- P337+P313 If eye irritation persists: Get medical advice/attention.

• *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: Follow fabric care label instructions. Test inside seam for color fastness. Add to appropriate dispenser before wash or directly into water at the beginning of the rinse cycle avoiding direct contact with clothes to prevent stains. NOT for use on children's sleep wear or other flame resistant garments as it may reduce flame resistance.

HIGH EFFICIENCY WASHING MACHINERRegular load, 1.5ozHeavy load, 2.0oz

STANDARD WASHING MACHINERRegular load, 2.0ozHeavy load, 3.0oz

CAUTION: Keep out of reach from children. Eye irritant, in case of eye contact flush with cool water for 15 minutes. Contact a medical professional if discomfort continues.

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:* 08/07/2019 / 2

• *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)
- HMSIS: 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. 3: Flammable liquids – Category 3
- Acute Tox. 4: Acute toxicity – Category 4
- Skin Corr. 1A: Skin corrosion/irritation – Category 1A
- Skin Irrit. 2: Skin corrosion/irritation – Category 2
- Eye Irrit. 2B: Serious eye damage/eye irritation – Category 2B

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

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