

**Safety Data Sheet (SDS)**

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

Issue date 03/07/2016

Reviewed on 06/11/2015

**1 Identification**

- **Product Identifier**
- **Trade name: Tincture of Green Soap U.S.P.**
- **Relevant identified uses of the substance or mixture and uses advised against:**  
Ethanol-based Liquid Detergent and Cleaner for Cleansing Skin and Scalp.
- **Product Description** An all natural soap made from pure vegetable oils and glycerine.
- **Application of the substance / the mixture:** Industry specific application.
- **Details of the Supplier of the Safety Data Sheet:**
- **Manufacturer/Supplier:**  
Cosco Soap & Detergent  
1930 Troutman Street  
Ridgewood, NY 11385  
Phone: 718-383-4488  
Fax: 718-349-2865  
www.coscosoap-detergentco.com  
info@coscosoap-detergentco.com
- **Emergency telephone number:**  
Within USA and Canada: 1-800-424-9300 (CHEMTREC, 24 hours)  
Outside USA and Canada: +1-703-527-3887 (CHEMTREC, 24 hours)

**2 Hazard(s) Identification**

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



GHS02 Flame

Flam. Liq. 3 H226 Flammable liquid and vapor.



GHS07

STOT SE 3 H335 May cause respiratory irritation.

Eye Irrit. 2B H320 Causes eye irritation.

- **Label elements:**

- **GHS label elements**

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

- **Hazard pictograms:**



GHS02 GHS07

- **Signal word:** Warning

- **Hazard-determining components of labeling:**

Potassium salt of fatty acid

Ethanol

- **Hazard statements:**

H226 Flammable liquid and vapor.

H320 Causes eye irritation.

H335 May cause respiratory irritation.

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**Trade name: Tincture of Green Soap U.S.P.****Precautionary statements:**

- P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.  
 P241 Use explosion-proof electrical/ventilating/lighting/equipment.  
 P261 Avoid breathing dust/fume/gas/mist/vapors/spray.  
 P271 Use only outdoors or in a well-ventilated area.  
 P280 Wear protective gloves / eye protection / face protection.  
 P240 Ground/bond container and receiving equipment.  
 P242 Use only non-sparking tools.  
 P243 Take precautionary measures against static discharge.  
 P264 Wash thoroughly after handling.  
 P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
 P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 P312 Call a POISON CENTER/doctor if you feel unwell.  
 P337+P313 If eye irritation persists: Get medical advice/attention.  
 P370+P378 In case of fire: Use for extinction: CO2, powder or water spray.  
 P405 Store locked up.  
 P403+P233 Store in a well-ventilated place. Keep container tightly closed.  
 P403+P235 Store in a well-ventilated place. Keep cool.  
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

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

HEALTH	1	Health = 1
FIRE	2	Fire = 2
REACTIVITY	0	Reactivity = 0

**Hazard(s) not otherwise classified (HNOC):** None known**\* 3 Composition/Information on Ingredients****Non-hazardous components:**

7732-18-5	Water, distilled water, deionized water	Proprietary%
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**Chemical characterization: Mixtures****Description:** Mixture of substances listed below with non-hazardous additions.**Dangerous Components:**

CAS: 67701-09-1	Potassium salt of fatty acid ⚠ Eye Dam. 1, H318; ⚠ Skin Irrit. 2, H315	Proprietary%
CAS: 64-17-5 RTECS: KQ 6300000	Ethanol ⚠ Flam. Liq. 2, H225; ⚠ Skin Irrit. 2, H315; STOT SE 3, H335; Eye Irrit. 2B, H320	Proprietary%
CAS: 56-81-5 RTECS: MA 8050000	Glycerol	Proprietary%

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### \* 4 First-Aid Measures

· **Description of first aid measures:**

· **After inhalation:**

Supply fresh air. If required, provide artificial respiration. Consult doctor if symptoms persist.  
In case of unconsciousness place patient stably in side position for transportation.

· **After skin contact:**

Wash with water and soap and rinse thoroughly.  
If skin irritation occurs, seek medical attention.

· **After eye contact:**

Rinse opened eye for at least 15 minutes under running water. If symptoms persist, consult a doctor.

· **After swallowing:**

Rinse out mouth and then drink plenty of water.  
Do not induce vomiting.  
If symptoms develop and/or persist, seek medical attention.

· **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 will release the following toxic fumes: Oxides of Carbon, Nitrogen (NO<sub>x</sub>) and Potassium and Hydrochloric acid gas.

· **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:**

Keep away from ignition sources.  
Ensure adequate ventilation.  
Avoid contact with eyes.

· **Environmental precautions:**

Dilute with plenty of water.  
Do not allow to enter sewers/ surface or ground water.

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

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### \* 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:**  
Keep ignition sources away - Do not smoke.  
Protect from heat.  
Protect against electrostatic charges.
- **Conditions for safe storage, including any incompatibilities:**  
Store away from strong acids, strong oxidizing agents, Alkali metals and Ammonia.
- **Storage**
- **Requirements to be met by storerooms and receptacles:** Store in the original container.
- **Information about storage in one common storage facility:** Not required.
- **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:**  
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:**

##### **64-17-5 Ethanol**

PEL	Long-term value: 1900 mg/m <sup>3</sup> , 1000 ppm
REL	Long-term value: 1900 mg/m <sup>3</sup> , 1000 ppm
TLV	Short-term value: 1880 mg/m <sup>3</sup> , 1000 ppm Upper Respiratory Tract irritation

##### **56-81-5 Glycerol**

PEL	Long-term value: 15* 5** mg/m <sup>3</sup> mist; *total dust **respirable fraction
TLV	TLV withdrawn-insufficient data human occup. exp.

- **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.  
Avoid contact with the eyes and skin.
- **Breathing equipment:** Not required.
- **Protection of hands:** Not required.

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- **Eye protection:** Not necessary under normal conditions.
- **Body protection:** Not required.

**\* 9 Physical and Chemical Properties**· **Information on basic physical and chemical properties**· **General Information**· **Appearance:**

· **Form:** Viscous liquid

· **Color:** Clear, amber

· **Odor:** Lavender

· **Odor threshold:** Not determined.

· **pH-value @ 20 °C (68 °F):** 10-10.5

· **Change in condition**

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

· **Boiling point/Boiling range:** 78 °C (172 °F)

· **Flash point:** 24 °C (75 °F)

· **Flammability (solid, gaseous):** Flammable.

· **Ignition temperature:** 425 °C (797 °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:** 0.0 Vol %

· **Upper:** 15.0 Vol %

· **Vapor pressure @ 20 °C (68 °F):** 59 hPa (44 mm Hg)

· **Density @ 20 °C (68 °F):** 0.90-1.0 g/cm<sup>3</sup> (7.511-8.345 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:** Proprietary %

· **Water:** Proprietary %

· **VOC content:** Proprietary %

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

**\* 10 Stability and Reactivity**

- **Reactivity:** No further relevant information available.

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- **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:** Heat, flame and ignition sources.
- **Incompatible materials:** Strong acids, strong oxidizing agents, Alkali metals and Ammonia.
- **Hazardous decomposition products:**  
Oxides of Carbon, Nitrogen (NOx) and Potassium and Hydrochloric acid gas.

**\*11 Toxicological Information**

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

· **LD/LC50 values that are relevant for classification:****67701-09-1 Potassium salt of fatty acid**

Oral	LD50	> 5000 mg/kg (rat)
Dermal	LD50	> 5000 mg/kg (rat)

**64-17-5 Ethanol**

Oral	LD50	7060 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	20000 mg/l (rat)
	LC50/96 hours	12900-15300 mg/l (Trout)

**56-81-5 Glycerol**

Oral	LD50	12600 mg/kg (rat)
Dermal	LD50	>10000 mg/kg (rabbit)
Inhalative	LC50/96 hours	>50.000 mg/l (Trout)

- **Primary irritant effect:**
- **On the skin:** No irritating effect.
- **On the eye:**  
Irritating effect.  
Causes serious eye irritation.
- **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):**

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- 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

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:****64-17-5 Ethanol**

EC50 34900 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:** Not known to be hazardous to 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:**

Small amounts may be diluted with plenty of water and washed away. Dispose of bigger amounts in accordance with Local Authority requirements.

**· Uncleaned packagings****· Recommendation:**

Dispose of as unused product.

Disposal must be made according to official regulations.

- **Recommended cleansing agent:** Water, if necessary with cleansing agents.

**\* 14 Transport Information****· UN-Number:****· DOT****· ADR, IMDG, IATA****· UN proper shipping name:****· DOT****· ADR****· IMDG****· IATA**

ORM-D Consumer Commodity

UN1170

ORM-D Consumer Commod

UN1170 Ethanol solutions

ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)

ETHANOL SOLUTION

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**Trade name: Tincture of Green Soap U.S.P.**· **Transport hazard class(es):**· **DOT**· **Class:** ORM-D Consumer Commodity· **ADR**· **Class:** 3 (F1) Flammable liquids· **Label:** 3· **IMDG, IATA**· **Class:** 3 Flammable liquids· **Label:** 3· **Packing group:**· **DOT** ORM-D Consumer Commodity· **ADR, IMDG, IATA** III· **Environmental hazards:** Not applicable.· **Special precautions for user:** Warning: Flammable liquids· **Danger code (Kemler):** 30· **EMS Number:** F-E,S-D· **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:** Not applicable.· **Transport/Additional information:**· **DOT**· **Remarks:** ORM-D Consumer Commodity· **ADR**

· **Excepted quantities (EQ):** Code: E1  
 Maximum net quantity per inner packaging: 30 ml  
 Maximum net quantity per outer packaging: 1000 ml

· **IMDG**· **Limited quantities (LQ):** 5L

· **Excepted quantities (EQ):** Code: E1  
 Maximum net quantity per inner packaging: 30 ml  
 Maximum net quantity per outer packaging: 1000 ml

· **UN "Model Regulation":** UN1170, Ethanol solutions, 3, III\* **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.

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· <b>Section 313 (Specific toxic chemical listings):</b>	
None of the ingredients are listed.	
· <b>TSCA (Toxic Substances Control Act):</b>	
All ingredients are listed or exempt from listing.	
· <b>California Proposition 65:</b>	
· <b>Chemicals known to cause cancer:</b>	
None of the ingredients are listed.	
· <b>Chemicals known to cause reproductive toxicity for females:</b>	
None of the ingredients are listed.	
· <b>Chemicals known to cause reproductive toxicity for males:</b>	
None of the ingredients are listed.	
· <b>Chemicals known to cause developmental toxicity:</b>	
64-17-5	Ethanol
· <b>New Jersey Right-to-Know List:</b>	
None of the ingredients are listed.	
· <b>New Jersey Special Hazardous Substance List:</b>	
None of the ingredients are listed.	
· <b>Pennsylvania Special Hazardous Substance List:</b>	
None of the ingredients are listed.	
· <b>Carcinogenic categories:</b>	
· <b>EPA (Environmental Protection Agency):</b>	
None of the ingredients are listed.	
· <b>TLV (Threshold Limit Value established by ACGIH):</b>	
64-17-5	Ethanol
	A3
· <b>NIOSH-Ca (National Institute for Occupational Safety and Health):</b>	
None of the ingredients are listed.	

· **GHS label elements**

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

· **Hazard pictograms:**

GHS02 GHS07

· **Signal word:** Warning· **Hazard-determining components of labeling:**

Potassium salt of fatty acid

Ethanol

· **Hazard statements:**

H226 Flammable liquid and vapor.

H320 Causes eye irritation.

H335 May cause respiratory irritation.

· **Precautionary statements:**

P210

Keep away from heat/sparks/open flames/hot surfaces. No smoking.

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P241	Use explosion-proof electrical/ventilating/lighting/equipment.
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves / eye protection / face protection.
P240	Ground/bond container and receiving equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P264	Wash thoroughly after handling.
P303+P361+P353	If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305+P351+P338	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312	Call a POISON CENTER/doctor if you feel unwell.
P337+P313	If eye irritation persists: Get medical advice/attention.
P370+P378	In case of fire: Use for extinction: CO2, powder or water spray.
P405	Store locked up.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P403+P235	Store in a well-ventilated place. Keep cool.
P501	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.

**· Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.**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:** 03/07/2016 / -**· 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)  
 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  
 OSHA: Occupational Safety & Health  
 TLV: Threshold Limit Value  
 PEL: Permissible Exposure Limit  
 REL: Recommended Exposure Limit  
 Flam. Liq. 2: Flammable liquids, Hazard Category 2  
 Flam. Liq. 3: Flammable liquids, Hazard Category 3  
 Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2

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

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

STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3

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

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