

# SAFETY DATA SHEET



Issue date 4 September 2019

FM000085-03.1

This Safety Data Sheet (SDS) is provided to assist with proper use and safe handling of this product. This product may be packaged for professional use or consumer use. Applicable professional use directions are provided on the product label and are included for easy reference in Section 16 of this SDS, and applicable professional use safety information is included on the product label and in this SDS. 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, including consumer products used in the workplace under typical duration and frequency of exposure as experienced by consumers when used for the intended purpose. Applicable consumer product use and safety information is provided on the product label and is included for easy reference in Section 16 of this SDS. This SDS is designed to cover both U.S. and Canada. Differences between U.S. and Canadian requirements are noted where applicable.

## Section 1: Identification of Product and Company

Product Name	Ultra Concentrated Laundry Detergent - Tropical Grove
Synonyms	None
Product Use	Laundry
Restrictions on Use	Follow directions on the product label

Manufacturer Name	Seventh Generation, Inc.
Address	60 Lake Street, Burlington, VT 05401, USA

Emergency Telephone Number	U.S., Canada
Monday -Friday 8 am - 5 pm ET (except holidays)	1-800-211-4279
Outside these hours	1-800-255-3924 (ChemTel)

## Section 2: Hazards Identification

Classification	
U.S.	This product is considered hazardous under the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).
Canada	This product is considered hazardous under the WHMIS 2015.

Hazard Category	
Eye Damage/Irritation	Category 2B
Respiratory Sensitization	Category 1

Signal Word	
DANGER	

Hazard Statement(s)	
H320 Causes eye irritation	
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled	

Hazard Pictogram(s)	
Health Hazard	

Precautionary Statement(s) - General - Consumer Products	
If medical advice is needed, have product container or label at hand.	
Keep out of reach of children.	
Read label before use.	

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Precautionary Statement(s) - Prevention
Wash hands thoroughly after handling.
Avoid breathing dust/fume/gas/mist/vapors/spray. In case of inadequate ventilation, wear respiratory protection.

Precautionary Statement(s) - Response
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
If inhaled: If breathing is difficult, remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a doctor or poison control center.

Precautionary Statement(s) - Storage
None

Precautionary Statement(s) - Disposal
Dispose of contents and container in accordance with applicable regulations.

Hazards not otherwise identified
None known

Percent ingredients with unknown acute toxicity
0% of the product consists of ingredients of unknown acute oral toxicity. Refer to Section 11.

## Section 3: Composition, Information on Ingredients

Regardless of hazard classification, Seventh Generation discloses all intentionally added ingredients and, if applicable incidental ingredients  $\geq 1\%$  on the consumer product label.

Ingredient	Function	CAS Number	Concentration <sup>1</sup>	
aqua (water)	diluent	7732-18-5	30% - 100%	
laureth-6	cleaning agent	68439-50-9	10% - 30%	
glycerin	enzyme stabilizer	56-81-5	10% - 30%	
caprylyl/decyl glucoside	cleaning agent	68515-73-1	3% - 10%	
sodium oleate	anti-foaming agent	143-19-1	3% - 10%	
propylene glycol	processing aid	57-55-6	1% - 3%	
sodium chloride	viscosity modifier	7647-14-5	<1%	
protease (subtilisin) (aep)	enzyme soil remover	9014-01-1	0.1% - 1%	
amylase (aep)	enzyme soil remover	9000-90-2	<0.1%	
mannanase (aep)	enzyme soil remover	37288-54-3	<0.1%	
essential oils & botanical ingredients*	fragrance	mixture	<1%	
benzisothiazolinone	preservative	2634-33-5	<0.1%	
methylisothiazolinone	preservative	2682-20-4	<0.1%	

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\*Tropical Grove: citrus aurantium dulcis (orange) peel oil, ethyl hexanoate, isoamyl salicylate, gamma-undecalactone, pogostemon cablin (patchouli) oil, juniperus mexicana (cedar) oil, heliotropine, gamma octalactone, geraniol, styrax tonkinensis resin extract, cistus ladaniferus resin, benzyl acetate, bulnesia sarmientoi (guaiaicwood) oil, hexyl acetate, juniperus virginiana (cedar) oil, phenethyl alcohol, dimethyl heptenal, gamma-decalactone, litsea cubeba fruit oil, lauraldehyde, pinene beta, citrus reticulata (tangerine) peel oil, raspberry ketone, cananga odorata (ylang ylang) flower oil, dipteryx odorata (tonka bean) seed extract, anthemis nobilis (chamomile) flower oil, amyris balsamifera bark oil, boswellia carterii oil, decanal, illicium verum (anise) fruit/seed oil, viola odorata (violet) leaf extract, 3-hexenol, copaifera reticulata resin oil, salvia sclarea (clary sage) oil, pelargonium graveolens (geranium) flower oil, ethyl butyrate, methyl n-methyl anthranilate, eugenol, hexenyl acetate, rosa damascena (rose) flower oil, ferula galbanifula (galbanum) resin oil, cymbopogon nardus (citronella) oil. Contains fragrance allergen d-limonene (5989-27-5).

<sup>1</sup> Where ranges are shown, the exact concentration has been withheld as a trade secret.

## Section 4: First Aid Measures

<b>Eye Contact</b>	Flush eyes with water immediately after contact. Contact a physician if irritation develops or persists.
<b>Skin Contact</b>	Rinse thoroughly with water. Call a physician if irritation or rash develops or persists.
<b>Ingestion</b>	Drink one glass of water or milk immediately. If prolonged nausea or pain occurs call a doctor.
<b>Inhalation</b>	If irritation occurs, remove to fresh air. If breathing is affected, call a physician.
<b>Notes to Physician</b>	Treat symptomatically.
<b>Most important symptoms and effects</b>	Acute exposure may result in eye irritation. Symptoms of acute exposure may include the following: redness and pain.

## Section 5: Fire Fighting Measures

<b>Suitable Extinguishing Media</b>	As appropriate for surrounding fire. Use water, dry chemical, carbon dioxide or foam.
<b>Unsuitable Extinguishing Media</b>	Not available.
<b>Specific Hazards arising from the chemical mixture</b>	Not available.
<b>Hazardous Combustion Products</b>	Not available.
<b>Protective Equipment and Precautions for Firefighters</b>	Fire fighters should wear full protective clothing and self contained breathing apparatus as for surrounding fire.

## Section 6: Accidental Release Measures

<b>Personal Precautions</b>	
<b>Industrial Setting</b>	Wear appropriate personal protective equipment (refer to Section 8).
<b>Environmental Precautions</b>	Avoid entry into lakes, streams, ponds or public waterways.
<b>Methods for Containment and Cleaning Up</b>	
<b>Industrial Setting</b>	Before attempting clean up, refer to hazard data given. Material may be slippery if spilled and wet. Prevent spill from entering a waterway. Stop spill at source and contain material. Dispose liquid in accordance with all applicable local, state, and federal regulations.
<b>Household Setting</b>	Small spills and leaks may be cleaned up and disposed of in normal household trash or diluted and disposed of via sewer.

## Section 7: Handling and Storage

<b>Safe Handling</b>	
<b>Industrial Setting</b>	Wear appropriate personal protective equipment (refer to section 8).
<b>Household Setting</b>	Use as directed on product label.

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Safe Storage	KEEP OUT OF REACH OF CHILDREN AND PETS. Store in original container and keep container closed when not in use. Avoid freezing.
Storage Incompatibilities	None known.

## Section 8: Exposure Controls, Personal Protection

Exposure Limits	Occupational exposure limits	
Component Information:		
glycerin	56-81-5	USA OSHA - PEL - 15 mg/m <sup>3</sup> TWA (mist, total particulate); 5 mg/m <sup>3</sup> TWA (mist, respirable fraction) CA, HI, MI, MN, NY, OR, TN, VT, WA - OEL/PEL - 10 mg/m <sup>3</sup> PEL (mist, total dust); 5 mg/m <sup>3</sup> TWA (mist, respirable fraction) WA - PEL - 20 mg/m <sup>3</sup> STEL (mist, total particulate), 10 mg/m <sup>3</sup> STEL (mist, respirable fraction) AB, NB, NT, NU, ON, QC, SK, YT - OEL - 10 mg/m <sup>3</sup> (mist) TWA BC - OEL - 10 mg/m <sup>3</sup> (mist); 3 mg/m <sup>3</sup> TWA (mist, respirable) TWA NT, NU, SK - OEL - 20 mg/m <sup>3</sup> (mist) STEL
propylene glycol	57-55-6	ON - OEL - 10 mg/m <sup>3</sup> TWA (aerosol), 50 ppm TWA (aerosol and vapor), 155 mg/m <sup>3</sup> TWA (aerosol and vapor)
protease (subtilisin) (aep)	9014-01-1	ACGIH - TLV - 0.00006 mg/m <sup>3</sup> Ceiling NIOSH - 0.00006 mg/m <sup>3</sup> STEL (60 min) CA, CT, HI, MI, MN, NY, TN, WA - OEL/PEL - 0.00006 mg/m <sup>3</sup> STEL (60 min) AB, BC, MB, NB, NL, NT, NS, NU, ON, PE, QC, SK, YT - OEL - 0.00006 mg/m <sup>3</sup> Ceiling
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Engineering Controls	General ventilation.
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## Personal Protective Equipment (PPE)

Industrial Setting	
Respiratory Protection	General ventilation required. Wear respiratory protection in case of inadequate ventilation, when handling powder, dust or mist.
Eye Protection	Goggles or other protective eye wear may be worn for protection.
Skin Protection	Gloves may be worn for protection.
Hygiene Measures	Handle in accordance with good industrial hygiene and safety practice.
Household Setting	
	No special precautions necessary as long as product is used as directed.

## Section 9: Physical and Chemical Properties

Physical State	Liquid.
Color	Light amber
Clarity	Clear
Odor	Fragranced. Characteristic of the ingredients
Odor Threshold	Not available.

pH	8.5 - 8.9
Melting Point	Not available.
Freezing Point	Not available.

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Initial Boiling Point and Boiling Range	Not available.
Flash Point	Not available. Aqueous Solution.
Evaporation Rate	Not available.
Upper Explosive Limit (UEL)	Not applicable.
Lower Explosive Limit (LEL)	Not applicable.
Vapor Pressure (mmHg)	Not available.
Specific Gravity (H2O = 1)	1.066 - 1.090
Relative Density	Not available.
Vapor Density (Air = 1)	Not available.
Solubility in Water	Miscible
Partition Coefficient: n-octanol/water	Not available.
Auto-Ignition Temperature	Not available.
Decomposition Temperature	Not available.
Viscosity	Not available.
VOC (weight %)	Not available.

## Section 10: Stability and Reactivity

Reactivity	Not available.
Chemical Stability	Stable under normal conditions of use and storage.
Possibility of Hazardous Reactions	None known.
Conditions to Avoid	None known.
Incompatible Materials	
Industrial Setting	None known.
Household Setting	In general, cleaning products should not be mixed with other household chemicals, unless specifically provided for in the use directions.
Hazardous Decomposition Products	None known.

## Section 11: Toxicological Information

Potential Route(s) of Exposure	Eyes. Skin. Ingestion.	
Effects of Acute Exposure		
Oral Toxicity	LD50 >5000 mg/kg, calculated based on ingredients.	
Dermal Toxicity	Not classified. No known effects based on ingredients.	
Inhalation Toxicity	Not classified. No known effects based on ingredients.	
Component Information <sup>1</sup> :		
aqua (water)	7732-18-5	Not applicable
laureth-6	68439-50-9	LD50 acute oral (rat) 1870 mg/kg
glycerin	56-81-5	LD50 acute oral (rat) >12600 mg/kg
caprylyl/decyl glucoside	68515-73-1	LD50 acute oral (rat) >5000 mg/kg
sodium oleate	143-19-1	LD50 acute oral (rat) >5000 mg/kg
propylene glycol	57-55-6	LD50 acute oral (rat) 20000 mg/kg
sodium chloride	7647-14-5	LD50 acute oral (rat) 3000 mg/kg
protease (subtilisin) (aep)	9014-01-1	LD50 acute oral (rat) 1800 mg/kg
amylase (aep)	9000-90-2	LD50 acute oral (rat) >7500 mg/kg
mannanase (aep)	37288-54-3	LD50 acute oral (rat) >5000 mg/kg
essential oils & botanical ingredients*	mixture	LD50 acute oral (rat), calculated >4000 mg/kg
benzisothiazolinone	2634-33-5	LD50 acute oral (rat) 1020 mg/kg
methylisothiazolinone	2682-20-4	LD50 acute oral (rat) 120 mg/kg
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Eye Contact	Mild Irritant, based on in-vitro data.	
Skin Contact	Not classified for skin irritation, based on ingredients.	
Skin Sensitization	Not classified for skin sensitization, based on ingredients.	

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<b>Respiratory Sensitization</b>	Classified for respiratory sensitization, based on ingredients.
<b>Carcinogenicity</b>	Not classified - based on ingredients
<b>NTP</b>	No Ingredients Listed
<b>IARC</b>	No Ingredients Listed
<b>OSHA</b>	No Ingredients Listed
<b>Reproductive Effects</b>	Not classified - based on ingredients
<b>Mutagenicity</b>	Not classified - based on ingredients
<b>Specific Target Organ Toxicity - Single Exposure</b>	Not classified - based on ingredients
<b>Specific Target Organ Toxicity - Repeat Exposure</b>	Not classified - based on ingredients
<b>Aspiration Toxicity</b>	Not classified - based on ingredients

<sup>1</sup>LD50 acute oral toxicity (rat) – This is a value provided by the raw material supplier or scientific literature. It is not a value generated by Seventh Generation by testing using rats. Seventh Generation uses alternative, non-animal based methods and scientific literature to determine the safety classification of our products and their ingredients.

## Section 12: Ecological Information

<b>Ecotoxicity</b>	Not available.
<b>Persistence and Degradability</b>	This product is biodegradable, based on ingredients.
<b>Bioaccumulative Potential</b>	No known significant effects or critical hazards.
<b>Mobility in Soil</b>	Not available.
<b>Environmental Fate</b>	No adverse effects expected.

## Section 13: Disposal Considerations

<b>Product Waste</b>	Any disposal must be in compliance with applicable local, state, provincial and federal laws and regulations.
<b>Industrial Setting</b>	When disposed as waste in its original form, this product is not considered hazardous waste under Federal regulations, however regulations may vary by state or province and may designate it as hazardous waste. Check with your local waste and waste water authorities. We are aware of the following state waste classifications:
<b>California Hazardous Waste Code</b>	561
<b>Connecticut Hazardous Waste Code</b>	CT04
<b>Michigan Liquid Waste Code</b>	029L
<b>Washington Hazardous Waste Code</b>	WT02
<b>Household Setting</b>	Product residues in the bottle may be discarded in trash, or diluted with water and disposed via sewer. When used as directed, the product is septic-safe.
<b>Empty Packaging</b>	Offer empty container for recycling. If recycling is not available, discard in trash. <div style="text-align: right;"> </div>

## Section 14: Transport Information

<b>U.S. DOT</b>	Not regulated.
<b>U.S. States</b>	See U.S. DOT for finished product classification for transport.
<b>Waste</b>	Regulated in some states if the product is disposed of in its original form as waste by commercial users/handlers. Refer to Section 13. for applicable state waste codes.

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Canadian TDG (Surface Transport)	Not regulated.
IMDG (Marine Transport)	Not regulated.
IATA (Air Transport)	Not regulated.

## Section 15: Regulatory Information

<b>U.S.</b>		
Toxic Substances Control Act (TSCA)	This product complies with the inventory requirements of the U.S. Toxic Substances Control Act (TSCA).	
California Prop 65	This product is not subject to the labeling requirements of California's Proposition 65.	
California Air Resources Board (CARB)	Not applicable.	
<b>Canada</b>		
Domestic Substances List (DSL)	This product complies with the inventory requirements under Canada's Domestic Substances List (DSL).	
Right to Know	Regardless of hazard classification, Seventh Generation discloses all intentionally added ingredients and, if applicable incidental ingredients $\geq 1\%$ on the product label. Please refer to Section 3. of this SDS for ingredient listing.	
<b>Component Information:</b>		
glycerin	56-81-5	Massachusetts New Jersey Pennsylvania
propylene glycol	57-55-6	New Jersey Pennsylvania
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Other	Fragrances used in this product comply with applicable International Fragrance Association (IFRA) guidance.	

## Section 16: Other Information

<b>Hazardous Materials Identification System (HMIS) Rating</b>  Legend: 4-Severe, 3-Serious, 2-Moderate, 1-Slight, 0-Minimal	<b>HEALTH</b>	<b>2*</b>
	<b>FLAMMABILITY</b>	<b>0</b>
	<b>PHYSICAL HAZARDS</b>	<b>0</b>
	<b>PERSONAL PROTECTION</b>	<b>E</b>

National Fire Protection Association (NFPA) Rating	Not determined.
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## Consumer Product Label Information

HOW TO USE  
 SORT: Follow garment care label instructions.  
 MEASURE: Pop the cap. Flip upside down. Squeeze firmly into dispenser or washer until liquid stops. Flip, close the cap and store upright. One firm squeeze for medium loads. Two firm squeezes for heavy loads. (1 squeeze 0.35 fl oz / 10.3 mL).

KEEP OUT OF REACH OF CHILDREN. CAUTION: HARMFUL IF SWALLOWED. FIRST AID TREATMENT: For product contents see ingredient list. IF SWALLOWED: Drink plenty of water and call a Poison Control Center or physician immediately. If product gets into eyes, flush thoroughly with water.

Prepared by	Seventh Generation Inc.
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Issuing Date	4 September 2019
Revision Date	4 September 2019
Revision Note	First Issue

**Please note:** This product is manufactured and marketed for professional use or consumer use and should be used as directed on the product label for the intended purpose. Seventh Generation warrants that this product conforms to our standard specification when released to the market and when used according to directions. To the best of our knowledge, the information contained herein is accurate. However, we do not assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of the suitability of any product is the sole responsibility of the user. All products may present unknown hazards and should be used with requisite caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Other abbreviations used in this document:

- DOT – (U.S.) Department of Transportation
- EPA – (U.S.) Environmental Protection Agency
- IARC – International Agency for Research on Cancer
- NTP – (U.S. Department of Health and Human Services) National Toxicology Program
- OSHA – (U.S.) Occupational Safety and Health Administration
- TDG – (Canadian) Transport of Dangerous Goods
- WHMIS – (Canadian) Workplace Hazardous Materials Information System

**End of Safety Data Sheet**