

# SAFETY DATA SHEET



Issue date 27 July 2018

FM000085-00.1

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, including consumer products used in the workplace under typical duration and frequency of exposure as experienced by consumers when used for the intended purpose. This Safety Data Sheet (SDS) is provided as a courtesy to assist with proper use and safe handling. 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 - Free & Clear
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)	
Causes eye irritation	
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 3.

## 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>	LD50 <sup>2</sup>
aqua (water)	diluent	7732-18-5	30% - 100%	Not applicable
laureth-6	cleaning agent	68439-50-9	10% - 30%	1870 mg/kg
glycerin	enzyme stabilizer	56-81-5	10% - 30%	>12600 mg/kg
caprylyl/decyl glucoside	cleaning agent	68515-73-1	3% - 10%	>5000 mg/kg
oleic acid	anti-foaming agent	67701-08-0	3% - 10%	25000 mg/kg
propylene glycol	processing aid	57-55-6	1% - 3%	20000 mg/kg
sodium hydroxide	pH adjuster	1310-73-2	$\leq 1\%$	>500 mg/kg
sodium chloride	viscosity modifier	7647-14-5	$\leq 1\%$	3000 mg/kg
protease (subtilisin) (aep)	enzyme soil remover	9014-01-1	>0.1% - $\leq 1\%$	1800 mg/kg
amylase (aep)	enzyme soil remover	9000-90-2	<0.1%	7500 mg/kg
mannanase (aep)	enzyme soil remover	37288-54-3	<0.1%	>5000 mg/kg
benzisothiazolinone	preservative	2634-33-5	<0.1%	1020 mg/kg
methylisothiazolinone	preservative	2682-20-4	<0.1%	>100 mg/kg

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

<sup>2</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 4: First Aid Measures

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<b>Eye Contact</b>	Flush eyes with water immediately after contact. Call 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 4-8 ounces 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.

## 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>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.
<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.

## Section 7: Handling and Storage

<b>Safe Handling</b>	
<b>Household Setting</b>	Use as directed on product label.
<b>Industrial Setting</b>	Wear appropriate personal protective equipment (refer to section 8).
<b>Safe Storage</b>	KEEP OUT OF REACH OF CHILDREN AND PETS. Store in original container and keep container closed when not in use. Avoid freezing.
<b>Storage Incompatibilities</b>	None known.

## Section 8: Exposure Controls, Personal Protection

<b>Exposure Limits</b>	Occupational exposure limits			
<b>Substance, CAS</b>	<b>Limit Value - Eight Hours</b>		<b>Limit Value - Short Term</b>	
	<b>ppm</b>	<b>mg/m3</b>	<b>ppm</b>	<b>mg/m3</b>
glycerol, mist - 56-81-5	---	15 inhalable dust 5 respirable dust (OSHA)	---	---

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sodium hydroxide - 1310-73-2	---	2 (OSHA)	---	2 (NIOSH, ceiling limit value (15 min))
protease (subtilisin) - 9014-01-1	---	---	---	0.00006 (NIOSH, 60 minutes average value)
<b>Engineering Controls</b>		General ventilation.		
<b>Personal Protective Equipment (PPE)</b>				
<b>Household Setting</b>	No special precautions necessary as long as product is used as directed.			
<b>Industrial Setting</b>				
<b>Respiratory Protection</b>	General ventilation required. Wear respiratory protection in case of inadequate ventilation, when handling powder, dust or mist.			
<b>Eye Protection</b>	Goggles or other protective eye wear may be worn for protection.			
<b>Skin Protection</b>	Gloves may be worn for protection.			
<b>Hygiene Measures</b>	Handle in accordance with good industrial hygiene and safety practice.			

## Section 9: Physical and Chemical Properties

<b>Physical State</b>	Liquid.
<b>Color</b>	Light amber
<b>Clarity</b>	Clear
<b>Odor</b>	Unfragranced. Characteristic of the ingredients
<b>Odor Threshold</b>	Not available.

<b>pH</b>	8.5 - 8.9
<b>Melting Point</b>	Not available.
<b>Freezing Point</b>	Not available.
<b>Initial Boiling Point and Boiling Range</b>	Not available.
<b>Flash Point</b>	Not available. Aqueous Solution.
<b>Evaporation Rate</b>	Not available.
<b>Upper Explosive Limit (UEL)</b>	Not applicable.
<b>Lower Explosive Limit (LEL)</b>	Not applicable.
<b>Vapor Pressure (mmHg)</b>	Not available.
<b>Specific Gravity (H<sub>2</sub>O = 1)</b>	1.06 - 1.09
<b>Relative Density</b>	Not available.
<b>Vapor Density (Air = 1)</b>	Not available.
<b>Solubility in Water</b>	Miscible
<b>Partition Coefficient: n-octanol/water</b>	Not available.
<b>Viscosity</b>	Not available.
<b>VOC (weight %)</b>	Not available.

## Section 10: Stability and Reactivity

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

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## Section 11: Toxicological Information

Potential Route(s) of Exposure	Eyes. Skin. Ingestion.
<b>Effects of Acute Exposure</b>	
Oral Toxicity	LD50 >5000 mg/kg, calculated based on ingredients.
Dermal Toxicity	Not determined.
Inhalation Toxicity	Not determined.
Eye Contact	Mild Irritant, based on in-vitro data.
Skin Contact	Not classified for skin irritation, based on in-vitro data. Possible irritation from prolonged contact with the undiluted product.
Component Information	Refer to section 3 for ingredient LD50 (acute oral).
Skin Sensitization	Not classified for skin sensitization, based on ingredients.
Respiratory Sensitization	Classified for respiratory sensitization, based on ingredients.
<b>Carcinogenicity</b>	
NTP	No Ingredients Listed
IARC	No Ingredients Listed
OSHA	No Ingredients Listed
Reproductive Effects	Not classified - based on ingredients
Mutagenicity	Not classified - based on ingredients
Specific Target Organ Toxicity - Single Exposure	Not classified - based on ingredients
Specific Target Organ Toxicity - Repeat Exposure	Not classified - based on ingredients
Aspiration Toxicity	Not classified - based on ingredients

## Section 12: Ecological Information


Ecotoxicity	Not available.
Persistence and Degradability	This product is biodegradable, based on OECD 301B.
Bioaccumulative Potential	Not applicable.
Mobility in Soil	Not available.
Environmental Fate	No adverse effects expected.

## Section 13: Disposal Considerations

Product Waste	Any disposal must be in compliance with applicable local, state, provincial and federal laws and regulations.
Household Setting	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.
Industrial Setting	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:
California Hazardous Waste Code	561
Connecticut Hazardous Waste Code	CT04
Michigan Liquid Waste Code	029L
Washington Hazardous Waste Code	WT02

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Empty Packaging	Offer empty container for recycling. If recycling is not available, discard in trash. 
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## Section 14: Transport Information

U.S. DOT	Not regulated.
U.S. States	See U.S. DOT for finished product classification for transport.
Waste	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.
Canadian TDG (Surface Transport)	Not regulated.
IMDG (Marine Transport)	Not regulated.
IATA (Air Transport)	Not regulated.

## Section 15: Regulatory Information

U.S.	
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.
Canada	
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.

## Section 16: Other Information

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

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

<p>HOW TO USE</p> <p>SORT: Follow garment care label instructions. MEASURE: 1. Pop the cap. 2. Give a firm squeeze into dispenser or washer until liquid stops. 3. Flip and store upright. One squeeze for medium loads. Two squeezes for heavy loads.</p> <p>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.</p>
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Prepared by	Seventh Generation Inc.
Issuing Date	27 July 2018
Revision Date	27 July 2018
Revision Note	First Issue

**Please note:** This product is manufactured and marketed for 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**