

# SAFETY DATA SHEET



Issue date 3 August 2018

FM000019-00.4

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	Laundry Detergent Powder - Free & Clear
Synonyms	Professional Laundry Detergent Powder - Free & Clear
Product Use	Laundry
Restrictions on Use	Follow directions on the product label

Manufacturer Name Address	Seventh Generation, Inc. 60 Lake Street, Burlington, VT 05401, USA
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Emergency Telephone Number Monday -Friday 8 am - 5 pm ET (except holidays) Outside these hours	U.S., Canada 1-800-211-4279 1-800-255-3924 (ChemTel)
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## 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 2A

Signal Word	
WARNING	

Hazard Statement(s)	
H319 Causes serious eye irritation	

Hazard Pictogram(s)	
Exclamation mark	

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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<b>Precautionary Statement(s) - Prevention</b>	
Wash hands thoroughly after handling. Wear eye protection.	

<b>Precautionary Statement(s) - Response</b>	
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.	

<b>Precautionary Statement(s) - Storage</b>	
None	

<b>Precautionary Statement(s) - Disposal</b>	
None	

<b>Hazards not otherwise identified</b>	
None known	

<b>Percent ingredients with unknown acute toxicity</b>	
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>	
sodium carbonate	cleaning agent	497-19-8	30% - 100%	
laureth-6	cleaning agent	68439-50-9	3% - 10%	
sodium citrate	water softener	6132-04-3	3% - 10%	
sodium silicate	cleaning enhancer	1344-09-8	3% - 10%	
sodium aluminosilicate	water softener	68989-22-0	3% - 10%	
sodium bicarbonate	pH adjuster	144-55-8	3% - 10%	
sodium percarbonate	oxygen stain removal agent	15630-89-4	3% - 10%	
magnesium sulfate	cleaning enhancer	7487-88-9	1% - 3%	
cocos nucifera (coconut) oil	anti-foaming agent	8001-31-8	1% - 3%	
lauryl polyglucose	cleaning agent	110615-47-9	<1%	
cellulose gum	anti-redeposition agent	9004-32-4	<1%	
sodium carboxymethyl inulin	soil dispersant	430439-54-6	<1%	
protease (subtilisin) (aep)	enzyme soil remover	9014-01-1	<0.1%	
amylase (aep)	enzyme soil remover	9000-90-2	<0.1%	

<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>	Promptly flush with large amounts of water for at least 15 minutes. Contact a physician if redness or irritation 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.

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Inhalation	If irritation occurs, remove to fresh air. If breathing is affected, call a physician.
Notes to Physician	Treat symptomatically.
Most important symptoms and effects	Acute exposure may result in eye irritation. Symptoms of acute exposure may include the following: redness and pain.

## Section 5: Fire Fighting Measures

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

## Section 6: Accidental Release Measures

Personal Precautions	
Industrial Setting	Wear appropriate personal protective equipment (refer to Section 8).
Environmental Precautions	Avoid entry into lakes, streams, ponds or public waterways.
Methods for Containment and Cleaning Up	
Industrial Setting	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. Transfer powder to container for recovery or disposal. Dispose liquid in accordance with all applicable local, state, and federal regulations.
Household Setting	Small spills and leaks may be cleaned up and disposed of in normal household trash.

## Section 7: Handling and Storage

Safe Handling	
Industrial Setting	Wear appropriate personal protective equipment when handling powder or dust (refer to section 8).
Household Setting	Use as directed on product label.
Safe Storage	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.
Storage Incompatibilities	Store away from acids.

## Section 8: Exposure Controls, Personal Protection

Exposure Limits	Occupational exposure limits	
Component Information:		
protease (subtilisin) (aep)	9014-01-1	ACGIH - TLV - 0.00006 mg/m3 Ceiling NIOSH - 0.00006 mg/m3 STEL (60 min) CA, CT, HI, MI, MN, NY, TN, WA - OEL/PEL - 0.00006 mg/m3 STEL (60 min) AB, BC, MB, NB, NL, NT, NS, NU, ON, PE, QC, SK, YT - OEL - 0.00006 mg/m3 Ceiling
Engineering Controls	General ventilation.	

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Personal Protective Equipment (PPE)	
<b>Industrial Setting</b>	
Respiratory Protection	None required under normal conditions. General ventilation required.
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.
<b>Household Setting</b>	
No special precautions necessary as long as product is used as directed.	

## Section 9: Physical and Chemical Properties

Physical State	Solid (powder).
Color	White-ish
Clarity	Solid
Odor	Unfragranced. Characteristic of the ingredients
Odor Threshold	Not available.

pH (1% aqueous dilution)	10.6 - 10.9
Melting Point	Not available.
Flammability	Not flammable.
Upper Explosive Limit (UEL)	Not applicable.
Lower Explosive Limit (LEL)	Not applicable.
Vapor Pressure (mmHg)	Not available.
Vapor Density (Air = 1)	Not available.
Solubility in Water	Soluble
Auto-Ignition Temperature	Not available.
Decomposition Temperature	Not available.
Bulk Density	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.
<b>Incompatible Materials</b>	
Industrial Setting	Strong oxidizers or reducing agents, strong acids or strong bases.
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. Inhalation.	
<b>Effects of Acute Exposure</b>		
Oral Toxicity	LD50 >2000 mg/kg, calculated based on ingredients.	
Dermal Toxicity	Not determined.	
Inhalation Toxicity	Not determined.	
<b>Component Information<sup>1</sup>:</b>		
sodium carbonate	497-19-8	LD50 acute oral (rat) 2800 mg/kg
laureth-6	68439-50-9	LD50 acute oral (rat) 1870 mg/kg
sodium citrate	6132-04-3	LD50 acute oral (rat) 5400 mg/kg

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sodium silicate	1344-09-8	LD50 acute oral (rat) 1960 mg/kg
sodium aluminosilicate	68989-22-0	LD50 acute oral (rat) >2000 mg/kg
sodium bicarbonate	144-55-8	LD50 acute oral (rat) 4220 mg/kg
sodium percarbonate	15630-89-4	LD50 acute oral (rat) 1034 mg/kg
magnesium sulfate	7487-88-9	LD50 acute oral (rat) >2000 mg/kg
cocos nucifera (coconut) oil	8001-31-8	LD50 acute oral (rat) >5000 mg/kg
lauryl polyglucose	110615-47-9	LD50 acute oral (rat) >2000 mg/kg
cellulose gum	9004-32-4	LD50 acute oral (rat) 27000 mg/kg
sodium carboxymethyl inulin	430439-54-6	LD50 acute oral (rat) >2000 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
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<b>Eye Contact</b>	Moderate Irritant, based on in-vitro data.	
<b>Skin Contact</b>	Dermal non-irritant. Not classified for skin irritation, based on ingredients.	
<b>Skin Sensitization</b>	Not classified for skin sensitization, based on ingredients.	
<b>Respiratory Sensitization</b>	Not 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>	Non inorganic components are biodegradable, based on OECD 301B. Ultimate biodegradability.
<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>	CT05
<b>Washington Hazardous Waste Code</b>	WT02

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Household Setting	Product residues in the container may be discarded in trash. When used as directed, the product is septic-safe.
Empty Packaging	Offer empty container for recycling. If recycling is not available, discard in trash. 

## 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.
Component Information:	

## Section 16: Other Information

<b>Hazardous Materials Identification System (HMIS) Rating</b>  Legend: 4-Severe, 3-Serious, 2-Moderate, 1-Slight, 0-Minimal	HEALTH	2
	FLAMMABILITY	0
	PHYSICAL HAZARDS	0
	PERSONAL PROTECTION	A
National Fire Protection Association (NFPA) Rating		Not determined.

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Professional Product Label Information
<p><b>DIRECTIONS FOR USE:</b></p> <p>This laundry detergent is designed to produce the best results when measured and used accordingly to the steps below.</p> <p><b>SORT:</b> Follow garment care label instructions for laundry cleaning.</p> <p><b>PRE-SOAK:</b> Mix 2 parts warm water or cold water with 1 part detergent to make a solution. Soak clothing prior to washing.</p> <p><b>MEASURE:</b></p> <p>112 oz: For medium loads use a level scoop. For heavily soiled or larger loads use an additional level scoop.</p> <p>35 lb: For medium loads use scoop measured between line 1 and line 2. For heavily soiled or larger loads use scoop measured to line 3.</p> <p><b>WASH:</b> Use dispenser if available, or add to washer as it fills with water, then add laundry.</p> <p>Close container between uses and store in a dry place, out of reach of children.</p>

Consumer Product Label Information
<p><b>CAUTION:</b></p> <p>INJURIOUS TO EYES HARMFUL IF SWALLOWED</p> <p><b>HOW TO USE</b></p> <p><b>SORT:</b> Follow garment care label instructions. <b>PRE-SOAK:</b> Mix 2 parts warm water with 1 part powder to make a solution. Soak clothing prior to washing.</p> <p><b>MEASURE:</b> For medium loads, use a level scoop. For heavily soiled or larger loads, use an additional level scoop. <b>WASH:</b> use dispenser if available, or add to washer as it fills with water, then add clothes. Close between uses. Store in a dry place.</p> <p><b>KEEP OUT OF REACH OF CHILDREN. CAUTION: INJURIOUS TO EYES. HARMFUL IF SWALLOWED.</b> Avoid contact with eyes, mucous membranes and prolonged skin contact. <b>FIRST AID TREATMENT:</b> For product contents see ingredient list. <b>CONTACT WITH EYES:</b> Flush immediately with water for at least 15 minutes and consult a physician. <b>IF SWALLOWED:</b> Drink plenty of water and call a Poison Control Center or physician immediately. Do not induce vomiting.</p>

<b>Prepared by</b>	Seventh Generation Inc.
<b>Issuing Date</b>	3 August 2018
<b>Revision Date</b>	3 August 2018
<b>Revision Note</b>	Revised Sections 1, 2, 3, 4, 6, 7, 8, 9, 10, 11, 12, 15 and 16.

**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**