

# SAFETY DATA SHEET



Issue date 25 September 2016

FM000024-00.1

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	Chlorine Free Bleach
Synonyms	.
Product Use	Laundry Additive
Restrictions on Use	Follow directions on the product label
Manufacturer Name Address	Seventh Generation, Inc. 60 Lake Street, Burlington, VT 05401, USA
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)


## 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)	
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.	

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

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<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>	LD50 <sup>2</sup>
aqua (water)	diluent	7732-18-5	30% - 100%	Not applicable
hydrogen peroxide	stain removal agent	7722-84-1	3% - 5%	1518 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

<b>Eye Contact</b>	Flush eyes with water immediately after contact for at least 15 minutes and consult a physician.
<b>Skin Contact</b>	Rinse thoroughly with water if skin contact occurs. Call a physician if irritation 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>	No need for first aid is expected.
<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>
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<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. Small amounts may be flushed to sewer.

## 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>	None known.
<b>Engineering Controls</b>	Not applicable.
<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>	None required under normal conditions. General ventilation required.
<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>	Colorless (water-white)
<b>Clarity</b>	Clear
<b>Odor</b>	Unfragranced. Characteristic of the ingredients
<b>Odor Threshold</b>	Not available.

<b>pH</b>	2.68 - 4.5
<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 (H2O = 1)</b>	1.00 - 1.03
<b>Relative Density</b>	Not available.
<b>Vapor Density (Air = 1)</b>	Not available.
<b>Solubility in Water</b>	Miscible

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Partition Coefficient: n-octanol/water	Not available.
Viscosity	Not available.
VOC (weight %)	Not available.

## Section 10: Stability and Reactivity

Reactivity	None known.
Chemical Stability	Stable.
Possibility of Hazardous Reactions	None known.
Conditions to Avoid	None known.
Incompatible Materials	
Household Setting	In general, cleaning products should not be mixed with other household chemicals, unless specifically provided for in the use directions.
Industrial Setting	None known.
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 available.
Inhalation Toxicity	Not available.
Eye Contact	Moderate Irritant, based on in-vitro data.
Skin Contact	Non-Irritant, based on Human Repeat Insult Patch Test (HRIPT).
Component Information	Refer to section 3 for ingredient LD50 (acute oral).
Effects of Chronic Exposure	Not expected to have chronic health effects.
Sensitization	Does not elicit any significant evidence of dermatological irritation or hypersensitivity, under normal use conditions.
Carcinogenicity	Not expected to have chronic health effects.
NTP	No Ingredients Listed
IARC	No Ingredients Listed
OSHA	No Ingredients Listed
Reproductive Effects	Not expected to have chronic health effects.
Teratogenicity	Not expected to have chronic health effects.
Mutagenicity	Not expected to have chronic health effects.
Target Organ Effects	Not expected to have chronic health effects.

## Section 12: Ecological Information


Ecotoxicity	Not available.
Persistence and Degradability	Not available.
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.

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<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>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.
<b>Canadian TDG (Surface Transport)</b>	Not regulated.
<b>IMDG (Marine Transport)</b>	Not regulated.
<b>IATA (Air Transport)</b>	Not regulated.

## Section 15: Regulatory Information

<b>U.S.</b>	
<b>Toxic Substances Control Act (TSCA)</b>	This product complies with the inventory requirements of the U.S. Toxic Substances Control Act (TSCA).
<b>California Prop 65</b>	This product is not subject to the labeling requirements of California's Proposition 65.
<b>California Air Resources Board (CARB)</b>	Meets applicable California Air Resource Board requirements for consumer products.
<b>Canada</b>	
<b>Domestic Substances List (DSL)</b>	This product complies with the inventory requirements under Canada's Domestic Substances List (DSL).
<b>Right to Know</b>	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

<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>A</b>

<b>National Fire Protection Association (NFPA) Rating</b>	Not determined
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Consumer Product Label Information
<p>CAUTION EYE IRRITANT</p> <p>HOW TO USE IN WASH: Pour 3 oz (88 mL) into washing machine as it fills with water, or use bleach dispenser. Add laundry and continue to wash clothes as using with Seventh Generation laundry detergent. TO PRE-TREAT STAINS: Use 1 part chlorine-free bleach and 3 parts water to create a concentrated spot-treatment and apply directly to stains; let sit for 30 minutes. Or use 1 oz (29 mL) chlorine-free bleach and 1 gallon (3.75 L) of water to create a soaking solution; soak stained clothing for 30 minutes. Use pre-soak setting on washing machine if possible.</p> <p>KEEP OUT OF REACH OF CHILDREN. CAUTION: EYE IRRITANT. Avoid contact with eyes. FIRST AID TREATMENT: For product contents see ingredient list. CONTACT WITH EYES: Flush with water for at least 15 minutes and consult a physician. IF SWALLOWED: Drink plenty of water.</p>

Prepared by	Seventh Generation Inc.
Issuing Date	25 September 2016
Revision Date	25 September 2016
Revision Note	Revised Sections 2., 3., 11., 12., 13. and 16.

**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**