

SAFETY DATA SHEET



Issue date 25 September 2016

FM000067-00.1, FM000067-01.1, FM000067-02.1, FM000067-04.1, FM000067-05.1

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	Hand Wash, Hand Wash Refill
Synonyms	Natural Hand Wash, Natural Hand Wash Refill
Product Use	Personal care
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	
Hazard Category Eye Damage/Irritation	Category 2B
Signal Word	WARNING
Hazard Statement(s)	Causes eye irritation
Hazard Pictogram(s)	None
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.
Precautionary Statement(s) - Response	

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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.

Precautionary Statement(s) - Storage

None

Precautionary Statement(s) - Disposal

None

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 ¹	LD50 ²
aqua (water)	diluent	7732-18-5	30% - 100%	Not applicable
sodium coco-sulfate	cleaning agent	97375-27-4	3% - 10%	2000 mg/kg
decyl glucoside	cleaning agent	68515-73-1 & 110615-47-9	3% - 10%	>2000 mg/kg
aloe barbadensis leaf juice	feel enhancer	85507-69-3	1% - 3%	>5000 mg/kg
sodium chloride	viscosity modifier	7647-14-5	1% - 3%	3000 mg/kg
magnesium chloride	viscosity modifier	7786-30-3/7791-18-6	1% - 3%	>2000 mg/kg
glycerin	foam enhancer	56-81-5	$\leq 1\%$	>12600 mg/kg
glyceryl caprylate/caprates	skin conditioner	91744-32-0	$\leq 1\%$	5000 mg/kg
citric acid	pH adjuster	77-92-9	$\leq 1\%$	3000 mg/kg
coco-glucoside	skin conditioner	141464-42-8	$\leq 1\%$	>2000 mg/kg
glyceryl oleate	skin conditioner	68424-61-3	$\leq 1\%$	>2000 mg/kg
sodium benzoate	preservative	532-32-1	$\leq 1\%$	4070 mg/kg
tetrasodium iminodisuccinate	preservative enhancer	144538-83-0	$\leq 1\%$	>2000 mg/kg
potassium sorbate	preservative	24634-61-5	$\leq 1\%$	3200 mg/kg
essential oils & botanical extracts*	fragrance	mixture	$\leq 1\%$	>2000 mg/kg

*Free & Clean: not applicable.

*Mandarin Orange & Grapefruit: citrus aurantium dulcis (orange) peel oil, citrus grandis (grapefruit) peel oil, citrus nobilis (mandarin orange) peel oil. d-Limonene is a component of these essential oils.

*Lavender Flower & Mint: cananga odorata (ylang ylang) flower oil, citrus aurantifolia (lime) oil, citrus aurantium dulcis (orange) oil, lavandula hybrida (lavandin) oil, mentha piperita (peppermint) oil, mentha viridis (spearmint) leaf oil. d-Limonene and linalool are components of these essential oils.

*Black Current & Rosewater: citrus aurantium dulcis (orange) peel oil, ethyl butyrate, ethyl-2-methyl butyrate, fragaria chiloensis (strawberry) fruit extract, vanilla planifolia fruit extract, 3-hexenol, citronellol, citrus limon (lemon) peel oil, citrus nobilis (mandarin orange) peel oil, gamma-decalactone, ribes nigrum (black currant) seed oil, rose flower oil. d-Limonene is a component of these essential oils.

*Hibiscus & Cardamom: 3-hexenol, citrus aurantium amara (bitter orange) peel oil, citrus aurantium bergamia (bergamot) fruit oil, citrus aurantium dulcis (orange) peel oil, citrus medica limonum (lemon) peel oil, citrus sinensis oil, cymbopogon martini (palmarosa) oil, elettaria cardamomum (cardamom) seed oil, eugenia caryophyllus (clove) leaf oil, gamma-decalactone, juniperus virginiana (cedar) oil, linalool, litsea cubeba fruit oil, myristica fragrans (nutmeg) kernel oil, phenethyl alcohol, salvia sclarea (clary sage) oil, thymus capitatus oil, hibiscus sabdariffa flower extract. d-Limonene is a component of these essential oils.

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

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² 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

Eye Contact	Flush eyes with water immediately after contact. Call a physician if irritation develops or persists.
Skin Contact	Rinse thoroughly with water if skin contact occurs. Call a physician if irritation develops or persists.
Ingestion	Drink 4-8 ounces of water or milk immediately. If prolonged nausea or pain occurs call a doctor.
Inhalation	No need for first aid is expected.
Notes to Physician	Treat symptomatically.
Most important symptoms and effects	Acute exposure may result in eye irritation.

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	
Household Setting	Small spills and leaks may be cleaned up and disposed of in normal household trash or diluted and disposed of via sewer.
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. Dispose liquid in accordance with all applicable local, state, and federal regulations. Small amounts may be flushed to sewer.

Section 7: Handling and Storage

Safe Handling	
Household Setting	Use as directed on product label.
Industrial Setting	Wear appropriate personal protective equipment (refer to section 8).
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	None known.
Engineering Controls	Not applicable.
Personal Protective Equipment (PPE)	
Household Setting	No special precautions necessary as long as product is used as directed.

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Industrial Setting	
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.

Section 9: Physical and Chemical Properties

Physical State	Liquid.
Color	Colorless (water-white)
Clarity	Clear
Odor	Unfragranced: Characteristic of the ingredients. Fragranced: Characteristic of the ingredients.
Odor Threshold	Not available.

pH	4.2 - 4.6
Melting Point	Not available.
Freezing Point	Not available.
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)	1.02 - 1.05
Relative Density	Not available.
Vapor Density (Air = 1)	Not available.
Solubility in Water	Miscible
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	Mild 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).

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Effects of Chronic Exposure	Not expected to have chronic health effects.
Sensitization	Does not indicate a potential for allergic contact sensitization, based on Human Repeat Insult Patch Test (HRIPT).
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	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
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

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U.S.	
Toxic Substances Control Act (TSCA)	This product is exempt from 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) or Non-Domestic Substances List (NDSL) or is otherwise in compliance with the New Substances Notification (NSN) regulations or exemptions.
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.
Other	Fragrances used in this product comply with applicable International Fragrance Association (IFRA) guidance.

Section 16: Other Information

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

National Fire Protection Association (NFPA) Rating	Not determined
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Consumer Product Label Information
HOW TO USE Twist nozzle to raise. Pump soap into hands, lather and rinse. For external use only. Avoid contact with eyes.

Prepared by	Seventh Generation Inc.
Issuing Date	25 September 2016
Revision Date	25 September 2016
Revision Note	Revised Sections 2., 3., 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