

SAFETY DATA SHEET



Issue date 23 August 2023

FM000085-03.5

This Safety Data Sheet (SDS) has been prepared in accordance with the U.S. OSHA Hazard Communication Standard (29 CFR 1910.1200) to provide safe handling information for the industrial setting such as in manufacturing facilities, transport, warehouses, stores and professional settings where product is used for institutional and commercial purposes. This SDS is designed to cover both U.S. and Canada, differences between U.S. and Canadian requirements are noted where applicable.

Consumer Products as defined by the U.S. Consumer Product Safety Act and Federal Hazardous Substances Act and which are used for the intended purpose in the household setting or in a workplace setting with typical consumer duration and frequency are exempted from the U.S. OSHA Hazard Communication Standard (29 CFR 1910.1200).

Section 1: Identification of Product and Company

Product Name	Ultra Concentrated Laundry Detergent - Mango & Mandarin
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 2A
Respiratory Sensitization	Category 1

Signal Word	
DANGER	

Hazard Statement(s)	
H319 Causes serious eye irritation	
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled	

Hazard Pictogram(s)	
Health Hazard	A diamond-shaped pictogram with a red border and a black silhouette of a person with a star on their chest, indicating a health hazard.

Precautionary Statement(s) - General	
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. Wear eye protection.
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.

Ingredient	Function	CAS Number ¹	Concentration ¹
aqua (water)	diluent	7732-18-5	15% to 40%
laureth-6	cleaning agent	68439-50-9	10% to 30%
propylene glycol	solvent	57-55-6	10% to 30%
octyl/decyl glucoside	cleaning agent	68515-73-1	5% to 10%
glycerin	enzyme stabilizer	56-81-5	3% to 7%
sodium oleate	anti-foaming agent	143-19-1	1% to 5%
sodium chloride	viscosity modifier	7647-14-5	<0.1%
citric acid	pH adjuster	77-92-9	<0.1%
protease (subtilisin) (aep)	enzyme cleaning agent	9014-01-1	0.1% to 1%
amylase (aep)	enzyme cleaning agent	9000-90-2	<0.1%
mannanase (aep)	enzyme cleaning agent	37288-54-3	<0.1%
essential oils & botanical ingredients*	fragrance	mixture	0.1% to 1%

Regardless of hazard classification, Seventh Generation discloses all intentionally added fragrance ingredients. Fragrance ingredients that contribute to the product classification in Section 2 are listed in Section 3 above with CAS number.

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*Mango & Mandarin: 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 (guaiaacwood) 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).

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

Section 4: First Aid Measures

Eye Contact	Flush eyes with water immediately after contact for at least 15 minutes. Contact a physician if redness or irritation persists.
Skin Contact	Rinse thoroughly with water. Call a physician if irritation or rash develops or persists.
Ingestion	Drink one glass of water or milk immediately. If prolonged nausea or pain occurs call a doctor.
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. Dispose liquid in accordance with all applicable local, state, and federal regulations.

Section 7: Handling and Storage

Safe Handling	
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.

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Storage Incompatibilities	None known.
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Section 8: Exposure Controls, Personal Protection

Exposure Limits	Occupational exposure limits	
Component Information:		
propylene glycol	57-55-6	ON - OEL - 10 mg/m3 TWA (aerosol), 50 ppm TWA (aerosol and vapor), 155 mg/m3 TWA (aerosol and vapor)
glycerin	56-81-5	USA OSHA - PEL - 15 mg/m3 TWA (mist, total particulate); 5 mg/m3 TWA (mist, respirable fraction) CA, HI, MI, MN, NY, OR, TN, VT, WA - OEL/PEL - 10 mg/m3 PEL (mist, total dust); 5 mg/m3 TWA (mist, respirable fraction) WA - PEL - 20 mg/m3 STEL (mist, total particulate), 10 mg/m3 STEL (mist, respirable fraction) AB, NB, NT, NU, ON, QC, SK, YT - OEL - 10 mg/m3 (mist) TWA BC - OEL - 10 mg/m3 (mist); 3 mg/m3 TWA (mist, respirable) TWA NT, NU, SK - OEL - 20 mg/m3 (mist) STEL
protease (subtilisin) (aep)	9014-01-1	ACGIH - TLV - 0.00006 mg/m3 Ceiling AOEC - Asthmagens - Sensitizer (324.010) 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
amylase (aep)	9000-90-2	AOEC - Asthmagens - Sensitizer (324.17)

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.

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.
Initial Boiling Point and Boiling Range	Not available.

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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)	1.036 - 1.060
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.
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 ¹ :		
aqua (water)	7732-18-5	Not applicable
laureth-6	68439-50-9	LD50 acute oral (rat) 1870 mg/kg
propylene glycol	57-55-6	LD50 acute oral (rat) 20000 mg/kg
octyl/decyl glucoside	68515-73-1	LD50 acute oral (rat) >5000 mg/kg
glycerin	56-81-5	LD50 acute oral (rat) 27200 mg/kg
sodium oleate	143-19-1	LD50 acute oral (rat) >5000 mg/kg
sodium chloride	7647-14-5	LD50 acute oral (rat) 3000 mg/kg
citric acid	77-92-9	LD50 acute oral (rat) 5400 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 >2000 mg/kg
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Eye Contact	Moderate 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.	
Respiratory Sensitization	Classified for respiratory sensitization, based on ingredients.	
Carcinogenicity	Not classified - based on ingredients	
NTP	No Ingredients Listed	
IARC	No Ingredients Listed	
OSHA	No Ingredients Listed	

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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

1LD50 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

Ecotoxicity	Not available.
Persistence and Degradability	Biodegradable, based on ingredients.
Bioaccumulative Potential	No known significant effects or critical hazards.
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.
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	MILIB
Washington Hazardous Waste Code	WT02
Other States	Any disposal must be in compliance with applicable local, state, provincial and federal laws and regulations.
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.

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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, all intentionally added ingredients and, if applicable incidental ingredients $\geq 1\%$ are disclosed on the product label. Please refer to Section 3. of this SDS for ingredient listing.	
Component Information:		
propylene glycol	57-55-6	New Jersey Pennsylvania
glycerin	56-81-5	Massachusetts New Jersey Pennsylvania
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	*	2
	FLAMMABILITY		0
	PHYSICAL HAZARDS		0
	PERSONAL PROTECTION		E

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

Refer to the product label for use directions, safety information, septic compatibility and how to dispose of the empty packaging.

Visit seventhgeneration.com for additional tips on buying, using and handling household cleaning products.

Prepared by	Seventh Generation, Inc.
Issuing Date	23 August 2023
Revision Date	23 August 2023
Revision Note	General format update

Please note: This product is manufactured and may be marketed for consumer use or professional use and should be used as directed on the product label for the intended purpose. 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

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TDG – (Canadian) Transport of Dangerous Goods

WHMIS – (Canadian) Workplace Hazardous Materials Information System

End of Safety Data Sheet