

# SAFETY DATA SHEET



Issue date 13 May 2015

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This Safety Data Sheet (SDS) is intended to provide product information for workplaces, emergency personnel and other situations where there is potential for longer exposure or exposure to larger quantities of product. For consumer use, applicable precautionary information is provided on the product label. This SDS is designed to cover both U.S. and Canadian requirements. Differences between U.S. and Canadian requirements are noted where applicable.

## Section 1: Identification of Product and Company

Product Name	Dish Liquid
Synonyms	Natural Dish Liquid
Product Use	Hand Dishwashing
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

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

National Fire Protection Association (NFPA) Rating	Not determined
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<b>Classification</b>	
U.S.	This product is not considered hazardous under the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).
Canada	This product is not considered hazardous under the WHMIS 2015.

Emergency Overview	No known health hazards.
<b>Precautionary Statements</b>	
Eyes	Minimal Irritant
Skin	Non-Irritant
Ingestion	Non-Toxic
Inhalation	No health effects are expected.
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
sodium lauryl sulfate	cleaning agent	151-21-3	10% - 30%	>500-5000 mg/kg
glycerin	foam stabilizer	56-81-5	1% - 3%	>12600 mg/kg
lauramine oxide	cleaning agent	1643-20-5	1% - 3%	3600 mg/kg

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caprylyl/myristyl glucoside	cleaning agent	68515-73-1 & 110615-47-9	≤1%	>2000 mg/kg
magnesium chloride	viscosity modifier	7791-18-6	≤1%	8100 mg/kg
citric acid	pH adjuster	77-92-9	≤1%	3000 mg/kg
essential oils & botanical extracts*	fragrance	mixture	≤1%	>2000 mg/kg
benzisothiazolinone (and) methylisothiazolinone	preservatives	2634-33-5 & 2682-20-4	≤1%	>2500 mg/kg

\*Free & Clear: not applicable.

\*Lavender Floral & 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 is a component of these essential oils.

\*Lemongrass & Clementine Zest: canarium luzonicum (elemi) gum nonvolatiles oil, citrus aurantium bergamia (bergamot) fruit oil, citrus aurantium dulcis (orange) oil, citrus nobilis (mandarin orange) peel oil, cymbopogon schoenanthus (lemongrass) oil, tangelo oil. d-Limonene is a component of these essential oils.

\*Fresh Citrus & Ginger: canarium luzonicum (elemi) gum nonvolatiles, cedrol, cinnamomum zeylanicum (cinnamon) bark extract, citrus aurantifolia (lime) oil, citrus aurantium amara (bitter orange) oil, citrus aurantium bergamia (bergamot) fruit oil, citrus aurantium dulcis (orange) oil, citrus limon (lemon) peel oil, coriandrum sativum (coriander) fruit oil, elettaria cardamomum (cardamon) seed oil, eugenia caryophyllus (clove) leaf oil, myristica fragrans (nutmeg) kernel oil, pelargonium graveolens (geranium) flower oil, zingiber officinale (ginger) root oil. d-Limonene is a component of these essential oils.

\*Fresh Lime & Lavender: 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 is a component of these essential oils.

<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

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.

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<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.
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## 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>	Light amber
<b>Clarity</b>	Clear
<b>Odor</b>	Unscented: Characteristic of the ingredients. Scented: Characteristic of the ingredients.
<b>Odor Threshold</b>	Not available.

<b>pH</b>	7.9 - 8.1
<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>	1.01 - 1.04
<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

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Reactivity	Not available.
Chemical Stability	Stable.
Possibility of Hazardous Reactions	None known.
Conditions to Avoid	None known.
<b>Incompatible Materials</b>	
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.
<b>Effects of Acute Exposure</b>	
Oral Toxicity	LD50 >5000 mg/kg, calculated based on ingredients.
Dermal Toxicity	Not available.
Inhalation Toxicity	Not available.
Eye Contact	Minimal 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 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 ingredients.
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

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Michigan Liquid Waste Code	029L
Washington Hazardous Waste Code	WT02
Empty Packaging	<p>Offer empty container for recycling. If recycling is not available, discard in trash.</p> 

## Section 14: Transport Information

U.S. DOT (Surface Transport)	Not regulated.
U.S. States (Surface Transport)	<p>Not regulated as finished product.</p> <p>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.</p>
Canadian TDG (Surface Transport)	Not regulated.
IATA (Air Transport)	Not regulated.
IMDG (Marine 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) 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

Prepared by	Seventh Generation Inc.
Issuing Date	13 May 2015
Revision Date	13 May 2015
Revision Note	Revised format as per OSHA 2012 and WHMIS 2015.

**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

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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**