

SAFETY DATA SHEET



Issue date 18 October 2022

FM000002-01.8

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

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| Product Name | Dishwasher Detergent Gel - Lemon |
| Synonyms | None |
| Product Use | Automatic Dishwashing |
| Restrictions on Use | Follow directions on the product label |

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|-------------------|---|
| Manufacturer Name | Seventh Generation, Inc. |
| Address | 60 Lake Street, Burlington, VT 05401, USA |

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| 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

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| 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. |

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| Hazard Category | |
| Eye Damage/Irritation | Category 2B |

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| Signal Word | |
| WARNING | |

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| Hazard Statement(s) | |
| H320 Causes eye irritation | |

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| Hazard Pictogram(s) | |
| None | |

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| 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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Precautionary Statement(s) - Prevention
 Wash hands thoroughly after handling.

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.

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 11.

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 product label.

| Ingredient | Function | CAS Number | Concentration ¹ |
|--|-----------------------|---------------------|----------------------------|
| aqua (water) | diluent | 7732-18-5 | 30% - 100% |
| sodium citrate | water softener | 68-04-2 / 6132-04-3 | 3% - 10% |
| C12-16 alcohols ethoxylated propoxylated | cleaning agent | 68439-51-0 | 1% - 3% |
| xanthan gum | thickener | 11138-66-2 | 1% - 3% |
| sodium silicate | alkalinity builder | 1344-09-8 | <1% |
| citric acid | pH adjuster | 77-92-9 | <1% |
| calcium chloride | enzyme stabilizer | 10043-52-4 | <1% |
| protease (subtilisin) (aep) | enzyme cleaning agent | 9014-01-1 | <0.1% |
| amylase (aep) | enzyme cleaning agent | 9000-90-2 | <0.1% |
| essential oils & botanical ingredients* | fragrance | mixture | <0.1% |
| benzisothiazolinone | preservative | 2634-33-5 | <0.01% |
| methylisothiazolinone | preservative | 2682-20-4 | <0.01% |

*Lemon: citrus limon (lemon) peel oil. Contains fragrance allergen d-limonene (5989-27-5).

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

Section 4: First Aid Measures

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| Eye Contact | Flush eyes with water immediately after contact. Contact a physician if irritation develops or 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. |

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| Most important symptoms and effects | Acute exposure may result in eye irritation. Symptoms of acute exposure may include the following: redness and pain. |
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Section 5: Fire Fighting Measures

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| 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

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| 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. |
| Household Setting | Small spills and leaks may be cleaned up and disposed of in normal household trash or diluted and disposed of via sewer. |

Section 7: Handling and Storage

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| Safe Handling | |
| Industrial Setting | Wear appropriate personal protective equipment (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 and keep container closed when not in use. Avoid freezing. |
| Storage Incompatibilities | None known. |

Section 8: Exposure Controls, Personal Protection

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| Exposure Limits | Occupational exposure limits | |
| Component Information: | | |
| calcium chloride | 10043-52-4 | Ontario - OEL - 5 mg/m ³ TWA |
| protease (subtilisin) (aep) | 9014-01-1 | ACGIH - TLV - 0.00006 mg/m ³ Ceiling AOEC - Asthmagens - Sensitizer (324.010) NIOSH - 0.00006 mg/m ³ STEL (60 min) CA, CT, HI, MI, MN, NY, TN, WA - OEL/PEL - 0.00006 mg/m ³ STEL (60 min) AB, BC, MB, NB, NL, NT, NS, NU, ON, PE, QC, SK, YT - OEL - 0.00006 mg/m ³ Ceiling |
| amylase (aep) | 9000-90-2 | AOEC - Asthmagens - Sensitizer (324.17) |
| Engineering Controls | General ventilation. | |

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| Personal Protective Equipment (PPE) | |
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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. |
| Household Setting | |
| | No special precautions necessary as long as product is used as directed. |

Section 9: Physical and Chemical Properties

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| Physical State | Liquid. |
| Color | White |
| Clarity | Opaque |
| Odor | Fragranced. Characteristic of the ingredients |
| Odor Threshold | Not available. |

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| pH | 7.2 - 7.8 |
| 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 (H ₂ O = 1) | 1.054 - 1.078 |
| 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

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| 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. |
| 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

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| 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. |

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| Inhalation Toxicity | Not classified. No known effects based on ingredients. | |
| Component Information¹: | | |
| aqua (water) | 7732-18-5 | Not applicable |
| sodium citrate | 68-04-2 / 6132-04-3 | LD50 acute oral (rat) 5400 mg/kg |
| C12-16 alcohols ethoxylated propoxylated | 68439-51-0 | LD50 acute oral (rat) >2000 mg/kg |
| xanthan gum | 11138-66-2 | LD50 acute oral (rat) >5000 mg/kg |
| sodium silicate | 1344-09-8 | LD50 acute oral (rat) 1960 mg/kg |
| citric acid | 77-92-9 | LD50 acute oral (rat) 5400 mg/kg |
| calcium chloride | 10043-52-4 | 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 |
| essential oils & botanical ingredients* | mixture | LD50 acute oral (rat), calculated >2000 mg/kg |
| benzothiazolinone | 2634-33-5 | LD50 acute oral (rat) 1020 mg/kg |
| methylisothiazolinone | 2682-20-4 | LD50 acute oral (rat) 120 mg/kg |
| . | . | . |
| Eye Contact | May cause mild eye irritation. | |
| Skin Contact | May cause slight skin irritation. Possible irritation from prolonged contact with the undiluted product. | |
| Skin Sensitization | Not classified for skin sensitization, based on ingredients. | |
| Respiratory Sensitization | Not 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 | |
| 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

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| Ecotoxicity | Not available. |
| Persistence and Degradability | This product is 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

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| 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 |

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| 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. |
| 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. |
| Empty Packaging | Offer empty container for recycling. If recycling is not available, discard in trash. |
| Material & Component | Plastic Bottle |
| Preparation | Empty Before Recycling |
| Instructions | . |



Section 14: Transport Information

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| 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 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, 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: | |
| Other | Fragrances used in this product comply with applicable International Fragrance Association (IFRA) guidance. |

Section 16: Other Information

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|---|----------------------------|---|----------|
| 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 |

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| National Fire Protection Association (NFPA) Rating | Not determined. |
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| Consumer Product Label Information |
| <p>HOW TO USE LOAD DISHWASHER per manufacturer's instruction. Make sure items are dishwasher safe. Silver, aluminum, and stainless steel should be washed in separate loads to avoid discoloration. ADD DETERGENT: Fill main dispenser cup and close dispenser door.</p> <p>KEEP OUT OF REACH OF CHILDREN. If product gets into eyes, flush thoroughly with water. If swallowed, drink plenty of water.</p> |

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| Prepared by | Seventh Generation, Inc. |
| Issuing Date | 18 October 2022 |
| Revision Date | 18 October 2022 |
| Revision Note | Revised Sections 3, 8, 11 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