

SAFETY DATA SHEET



Issue date 29 April 2016

FM000054-00.2

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

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| Product Name | Disinfecting Multi-Surface Cleaner |
| Synonyms | . |
| Product Use | Hard Surface Disinfecting and Cleaning |
| 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

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| Classification | |
| 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. |

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 |
|---|----------------------|------------|----------------------------|-------------------|
| Active ingredient | | . | | . |
| thymol (a component of thyme oil) | antimicrobial active | 89-83-8 | 0.05% | 980 mg/kg |
| Other ingredients: | | . | 99.95% | . |
| aqua (water) | diluent | 7732-18-5 | | Not applicable |
| sodium lauryl sulfate | cleaning agent | 151-21-3 | $\leq 1\%$ | 1288 mg/kg |
| copper sulfate pentahydrate (bluestone) | water mineralizer | 7758-99-8 | | 960 mg/kg |
| citric acid | water softener | 77-92-9 | | 3000 mg/kg |
| sodium citrate | water softener | 6132-04-3 | | 6730 mg/kg |
| origanum vulgare (oregano) oil | fragrance | 8007-11-2 | | 1850 mg/kg |
| essential oils & botanical extracts* | fragrance | mixture | | >5000 mg/kg |

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

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

SAFETY DATA SHEET



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| Eye Contact | Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. Call a doctor or poison control center for treatment advice. |
| Skin Contact | Rinse thoroughly with water if skin contact occurs. Call a physician if irritation develops or persists. |
| Ingestion | Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to by a doctor or poison control center. Do not give anything to an unconscious person. |
| Inhalation | 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. |

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 | |
| 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. Small spills may be absorbed with non-reactive absorbent and placed in suitable, covered, labeled containers. Prevent extremely large spills from entering sewers or waterways. Dispose in accordance with all applicable local, state, and federal regulations. |

Section 7: Handling and Storage

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| 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. Nonrefillable container. Store airtight at room temperature 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 | None known. |
| Engineering Controls | Not applicable. |
| Personal Protective Equipment (PPE) | |
| Household Setting | No special precautions necessary as long as product is used as directed. |
| Industrial Setting | |
| Respiratory Protection | None required under normal conditions. General ventilation required. |

SAFETY DATA SHEET



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| 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

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

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| pH | 4.0 - 5.0 |
| Melting Point | As per water. |
| Freezing Point | As per water. |
| Initial Boiling Point and Boiling Range | As per water. |
| Flash Point | Not available. Aqueous Solution. |
| Evaporation Rate | As per water. |
| Upper Explosive Limit (UEL) | Not applicable. |
| Lower Explosive Limit (LEL) | Not applicable. |
| Vapor Pressure (mmHg) | Not available. |
| Specific Gravity (H ₂ O = 1) | 1.00 - 1.02 |
| Relative Density | Not available. |
| Vapor Density (Air = 1) | Not available. |
| Solubility in Water | Soluble |
| Partition Coefficient: n-octanol/water | Not available. |
| Viscosity | Not available. |
| VOC (weight %) | Not available. |
| Flammability | Not flammable. |
| Auto-Ignition Temperature | Not combustible. |
| Decomposition Temperature | Not available. |

Section 10: Stability and Reactivity

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

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|--------------------------------|---|
| Potential Route(s) of Exposure | Eyes. Skin. Ingestion. Inhalation. |
| Effects of Acute Exposure | |
| Oral Toxicity | LD50 >5000 mg/kg, calculated based on ingredients. |
| Dermal Toxicity | LD50 >2000 mg/kg, calculated based on ingredients. |
| Inhalation Toxicity | >20 mg/L/4h, based on ingredients. |
| Eye Contact | Minimal eye irritant category IV, based on ingredients and in-vitro data. |
| Skin Contact | None to slight dermal irritant category IV, based on ingredients and in-vitro data. |
| Component Information | Refer to section 3 for ingredient LD50 (acute oral). |

SAFETY DATA SHEET




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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

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|-------------------------------|---|
| Ecotoxicity | Not available. |
| Persistence and Degradability | Meets requirements for ready biodegradation based on OECD 301B. |
| Bioaccumulative Potential | Not applicable. |
| 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. |
| Household Setting | Product residues in the bottle may be discarded in trash, or diluted with water and disposed via sewer. Compatible with septic systems. |
| 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 | 232 |
| Connecticut Hazardous Waste Code | CT04 |
| Michigan Liquid Waste Code | 029L |
| Vermont Hazardous Waste Code | VT06 |
| Washington Hazardous Waste Code | WT02 |
| Empty Packaging | Offer empty container for recycling. If recycling is not available, discard in trash.  |

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. |

SAFETY DATA SHEET



Section 15: Regulatory Information

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| U.S. | |
| Toxic Substances Control Act (TSCA) | This product complies with or is exempt from the inventory requirements of the U.S. Toxic Substances Control Act (TSCA). |
| EPA Registration Number | 84683-3-86066. |
| | When labeled with this registration number this product is for sale in the U.S. 50 states and D.C. only. Not registered for export to or sale in other countries. |
| California DPR Registration Number | 84683-3-ZA-86066 |
| California Prop 65 | This product is not subject to the labeling requirements of California's Proposition 65. |
| California Air Resources Board (CARB) | Meets applicable California Air Resource Board requirements for consumer products. |
| Canada | |
| Domestic Substances List (DSL) | This product complies with the inventory requirements under Canada's Domestic Substances List (DSL). |
| Health Canada Registration Number | DIN 02415070 |
| | When labeled with this registration number this product is for sale in Canada only. Not registered for export to or sale in other countries. |
| 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

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| Hazardous Materials Identification System (HMIS) Rating Legend: 4-Severe, 3-Serious, 2-Moderate, 1-Slight, 0-Minimal | HEALTH | 0 |
| | FLAMMABILITY | 0 |
| | PHYSICAL HAZARDS | 0 |
| | PERSONAL PROTECTION | A |
| National Fire Protection Association (NFPA) Rating | | Not determined |

SAFETY DATA SHEET



| Consumer Product Label Information |
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| <p>USA: KEEP OUT OF REACH OF CHILDREN</p> <p>DIRECTIONS FOR USE It is a violation of Federal law to use this product in a manner inconsistent with its labeling. For heavily soiled or greasy areas, pre-cleaning is required. TO CLEAN: Wet the surface with the spray & wipe clean. For stubborn stains, let stand for a few minutes. Allow to penetrate, then wipe clean. TO DISINFECT: 1. Wet the surface by sprayer (spot test to check surface compatibility). 2. Leave for 10 minutes. Allow to air-dry. No rinsing or wiping is required, even on food contact surfaces.</p> <p>STORAGE & DISPOSAL Store airtight at room temperature. Nonrefillable container. Do not reuse or refill this container. Offer empty container for recycling. If recycling is not available, discard in trash.</p> <p>CANADA: KEEP OUT OF REACH OF CHILDREN</p> <p>INSTRUCTIONS TO CLEAN & DEODORIZE: Wet the surface with the spray & wipe clean. TO DISINFECT: 1. Wet the surface with the spray (spot test to check surface compatibility). 2. Leave for 10 minutes. Allow to air-dry. No rinsing or wiping is required. For heavily soiled or greasy areas, pre-cleaning is required.</p> <p>STORAGE AND DISPOSAL Store airtight at room temperature. Please recycle empty container.</p> <p>FIRST AID May sting if accidentally sprayed in eyes. Soothe by rinsing with clean water.</p> |

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| Prepared by | Seventh Generation Inc. |
| Issuing Date | 29 April 2016 |
| Revision Date | 29 April 2016 |
| Revision Note | Revised Sections 2., 3. 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