

SAFETY DATA SHEET



Issue date 29 March 2017

FM000077-00, -01, -02.1

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

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| Product Name | Disinfectant Spray (Bag-On-Valve Aerosol 13.9 OZ (394 g)) |
| Synonyms | Disinfectant Spray (Bag-On-Valve Aerosol 13.9 OZ (394 g)) Fresh Citrus & Thyme Eucalyptus Spearmint & Thyme Lavender Vanilla & Thyme |
| Product Use | Hard Surface Disinfecting |
| Restrictions on Use | Follow directions on the product label For sale in the U.S. only. Not for export. |
| 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 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 | |
| Gases Under Pressure | Compressed Gas |

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| Signal Word | |
| WARNING | |

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| Hazard Statement(s) | |
| Contains gas under pressure; may explode if heated. | |

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| Hazard Pictogram(s) | |
| Gas cylinder | |

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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 |
| None |

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| Precautionary Statement(s) - Response |
| None |

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| Precautionary Statement(s) - Storage |
| Protect from sunlight. Store in a well-ventilated place. |

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| Precautionary Statement(s) - Disposal |
| None |

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| Hazards not otherwise identified |
| None known |

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| 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 |
|---|---------------------------|------------|----------------------------|-------------------|
| 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 | | 5400 mg/kg |
| sodium citrate | water softener | 6132-04-3 | | 5400 mg/kg |
| essential oils & botanical extracts* | fragrance | mixture | | >2000 mg/kg |
| compressed air | propellant, non-flammable | . | | . |

*Fresh Citrus & Thyme: artemisia pallens (davana) flower oil, cananga odorata (ylang ylang) flower oil, citral, citrus aurantium dulcis (orange) peel oil, citrus paradisi (grapefruit) oil, gamma-decalactone, pelargonium graveolens (geranium) flower oil. d-Limonene is a component of these essential oils.

*Lavender Vanilla & Thyme: coriandrum sativum (coriander) fruit oil, cymbopogon martini (palmarosa) oil, eucalyptus globulus leaf oil, lavandula angustifolia (lavender) oil, lavandula hybrida (lavandin) oil, mentha viridis (spearmint) leaf oil, pelargonium graveolens (geranium) extract, pogostemon cablin (patchouli) oil, vanilla planifolia flower extract, vanillin. Linalool is a component of these essential oils.

*Eucalyptus Spearmint & Thyme: citrus sinensis (orange) fruit, eucalyptus globulus leaf oil, mentha arvensis (mint) leaf oil, mentha viridis (spearmint) leaf oil, rosmarinus officinalis (rosemary) leaf oil. d-Limonene is a component of these essential oils.

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.

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Section 4: First Aid Measures

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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 | Closed containers may explode from internal pressure build-up when exposed to extreme heat and discharge contents. Liquid content of container will not support combustion. |
| Hazardous Combustion Products | Not available. |
| Protective Equipment and Precautions for Firefighters | Water may be used to cool containers to prevent pressure build-up and explosion when exposed to extreme heat. 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). Remove all sources of ignition. |
| 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 (refer to section 13.). |
| 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. Store airtight at room temperature in original container in areas inaccessible to small children and keep container closed when not in use. Do not puncture or incinerate container. Nonrefillable container. Do not reuse or refill this container. Avoid freezing. |
| Storage Incompatibilities | Contents under pressure. Do not expose to heat or store at temperatures above 120°F / 50°C or in enclosed spaces that could overheat. |

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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. |
| 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 (bag-on-valve aerosol) |
| 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 | Not available. |
| Upper Explosive Limit (UEL) | Not applicable. |
| Lower Explosive Limit (LEL) | Not applicable. |
| Vapor Pressure (mmHg) | Not available. |
| Specific Gravity (H2O = 1) | 1.00 - 1.02 |
| Relative Density | Not available. |
| Vapor Density (Air = 1) | Heavier than air. |
| Solubility in Water | Not available. |
| Partition Coefficient: n-octanol/water | Not available. |
| Viscosity | Not available. |
| VOC (weight %) | Not available. |

Section 10: Stability and Reactivity

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| Reactivity | None known. |
| Chemical Stability | Stable under normal conditions of use and storage. |
| Possibility of Hazardous Reactions | None known. |
| Conditions to Avoid | High Temperatures. |
| 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. |

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| Dermal Toxicity | LD50 >5000 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). |
| Effects of Chronic Exposure | Not expected to have chronic health effects. |
| Sensitization | Does not elicit any significant evidence of dermatological irritation or hypersensitivity, under normal use conditions. |
| 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 biodegradation based on ingredients. |
| 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 | Contents under pressure. DO NOT PUNCTURE OR INCINERATE! If empty: This container may be recycled in aerosol recycling centers where available. Before recycling or disposing, empty the can by using the product according to the label. Offer empty container for recycling. If recycling is not available, wrap the empty container and discard in trash. If partly filled: Call your local solid waste agency for disposal instructions. |
| Industrial Setting | Contents under pressure. Cans may burst when exposed to heat. Release the pressure from bag-on-valve container using appropriate aerosol disposal equipment to ensure worker safety. When disposed as waste, 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. <div style="text-align: right;">  </div> |

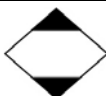
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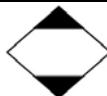
Section 14: Transport Information

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| Container Size | Water capacity >500 mL and < 1 L |
| Propellant | Compressed air |



U.S. DOT (Surface Transport)

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| Proper Shipping Name | None required (Limited Quantity (49 CFR 173.306(i)). Commodity shipping description: Cleaning Compound, NOI |
| Hazard Class | Not applicable. |
| UN ID | Not applicable. |
| Packaging Group | Not applicable. |
| Labeling | None required. |
| Marking | Limited Quantity  |
| Shipping Papers | None required. |

U.S. DOT (Water Transport)

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| Proper Shipping Name | Aerosols, non-flammable |
| Hazard Class | 2.2 |
| UN ID | UN1950 |
| Packaging Group | Not applicable. |
| Labeling | None required. |
| Marking | Limited Quantity  |
| Shipping Papers | Required. |

U.S. DOT (Air Transport)

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| Proper Shipping Name | Aerosols, non-flammable |
| Hazard Class | 2.2 |
| UN ID | UN1950 |
| Packaging Group | Not applicable. |
| Labeling | NON-FLAMMABLE GAS - 2  |
| Marking | Limited Quantity Air  |
| Packaging Instruction | Y203 |
| Shipping Papers | Required. |

U.S. States

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| Waste | See U.S. DOT for finished product classification for transport. Contents under pressure. Cans may burst when exposed to heat. Regulated in some states if the product is disposed of as waste by commercial users/handlers. Refer to Section 13. for applicable state waste codes and bag-on-valve aerosol disposal. |
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Canadian TDG (Surface Transport)



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|----------------------|-----------------|
| Proper Shipping Name | Not determined. |
| Hazard Class | Not determined. |
| UN ID | Not determined. |
| Packaging Group | Not determined. |
| Labeling | Not determined. |
| Marking | Not determined. |

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| Shipping Papers | Not determined. |
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| IMDG (Marine Transport) | |
| Proper Shipping Name | Aerosols, non-flammable |
| Hazard Class | 2.2 |
| UN ID | UN1950 |
| Packaging Group | Not applicable. |
| Labeling | None required. |
| Marking | Limited Quantity  |
| Shipping Papers | Required. |

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|-----------------------------|---|
| IATA (Air Transport) | |
| Proper Shipping Name | Aerosols, non-flammable |
| Hazard Class | 2.2 |
| UN ID | UN1950 |
| Packaging Group | Not applicable. |
| Labeling | NON-FLAMMABLE GAS - 2  |
| Marking | Limited Quantity Air  |
| Packaging Instruction | Y203 |
| Shipping Papers | Required. |

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. |
| 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) | Not for sale outside the U.S. |
| Health Canada Registration Number | Not registered for sale in Canada. |
| 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 | Not determined |
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| National Fire Protection Association (NFPA) Rating | NFPA 30B: Level 1 Aerosols. |
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Consumer Product Label Information

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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. Do not spray in eyes.

TO DISINFECT & DEODORIZE: 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 (even on food contact surfaces).

STORAGE & DISPOSAL

Contents under pressure. Do not expose to heat or open flame, or store at temperatures above 120 F. Do not puncture or incinerate container. Store airtight at room temperature in areas inaccessible to small children. Nonrefillable container. Do not reuse or refill this container. Offer empty container for recycling. If recycling is not available, discard in trash.

| | |
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| Prepared by | Seventh Generation Inc. |
| Issuing Date | 29 March 2017 |
| Revision Date | 29 March 2017 |
| Revision Note | First Issue |

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