

# SAFETY DATA SHEET



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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        | Hand Wash                              |
| Synonyms            | Natural Hand Wash                      |
| Product Use         | Personal care                          |
| Restrictions on Use | Follow directions on the product label |

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

|  |   |
|--|---|
| Emergency Telephone Number<br>Monday -Friday 9 am - 4 pm ET (except holidays)<br>Outside these hours | U.S. Canada<br>1-800-211-4279<br>1-800-255-3924 (ChemTel) |
|--|---|

## Section 2: Hazards Identification

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

|  |                |
|--|----------------|
| National Fire Protection Association (NFPA) Rating | Not determined |
|--|----------------|

|                |  |
|----------------|--|
| 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.   |
| Category       |  |
| Eyes           | Irritant<br>Category 2B  |

|                    |   |
|--------------------|---|
| Emergency Overview | Contact with eyes may cause irritation. |
| Signal Word        | CAUTION                                 |
| Hazard(s)          | EYE IRRITANT                            |
| Pictogram(s)       |   |

|   |   |
|---|---|
| Precautionary Statements                        |   |
| Eyes  | Mild 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. |

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## 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 coco sulfate                  | surfactant      | 97375-27-4               | 3% - 10%                   | 1288 mg/kg        |
| decyl glucoside                      | surfactant      | 54549-25-6               | 3% - 10%                   | >2000 mg/kg       |
| aloe barbadensis leaf juice          | feel enhancer   | 85507-69-3               | 1% - 3%                    | >5000 mg/kg       |
| sodium chloride                      | skin softener   | 7647-14-5                | 1% - 3%                    | 3000 mg/kg        |
| magnesium chloride                   | thickener       | 7791-18-6                | 1% - 3%                    | 8100 mg/kg        |
| glycerin                             | foam enhancer   | 56-81-5                  | $\leq 1\%$                 | >12600 mg/kg      |
| glyceryl caprylate/caprato           | skin softener   | 91744-32-0               | $\leq 1\%$                 | 5000 mg/kg        |
| citric acid                          | pH adjuster     | 77-92-9                  | $\leq 1\%$                 | 3000 mg/kg        |
| tetrasodium iminodisuccinate         | chelating agent | 144538-83-0              | $\leq 1\%$                 | >2000 mg/kg       |
| coco-glucoside & glyceryl oleate     | skin softener   | 141464-42-8 & 68424-61-3 | $\leq 1\%$                 | >2000 mg/kg       |
| essential oils & botanical extracts* | fragrance       | mixture                  | $\leq 1\%$                 | >2000 mg/kg       |
| sodium benzoate                      | preservative    | 532-32-1                 | $\leq 1\%$                 | 4070 mg/kg        |
| potassium sorbate                    | preservative    | 24634-61-5               | $\leq 1\%$                 | 3800 mg/kg        |

\*Free & Clean, unscented: not applicable.

\*Lavender Flower & 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 and linalool are components of these essential oils.

\*Mandarin Orange & Grapefruit: citrus aurantium dulcis (orange) peel oil, citrus grandis (grapefruit) peel oil, citrus nobilis (mandarin orange) peel oil. d-Limonene is a component of these essential oils.

\*Purely Clean Fresh Lemon & Tea Tree Scent: melaleuca alternifolia (tea tree) leaf oil, anthemis nobilis (chamomile) flower oil, citrus limon (lemon) peel oil, cymbopogon citratus (lemongrass) leaf oil, mentha viridis (spearmint) leaf oil. d-Limonene and citral are components of these essential oils.

\*Hibiscus & Cardamom: 3-hexenol, citrus aurantium amara (bitter orange) peel oil, citrus aurantium bergamia (bergamot) fruit oil, citrus aurantium dulcis (orange) peel oil, citrus medica limonum (lemon) peel oil, citrus sinensis oil, cymbopogon martini (palmarosa) oil, elettaria cardamomum (cardamom) seed oil, eugenia caryophyllus (clove) leaf oil, gamma-decalactone, juniperus virginiana (cedar) oil, linalool, litsea cubeba fruit oil, myristica fragrans (nutmeg) kernel oil, phenethyl alcohol, salvia sclarea (clary sage) oil, thymus capitatus oil, hibiscus sabdariffa flower extract. d-Limonene is a component of these essential oils.

\*Black Current & Rosewater: citrus aurantium dulcis (orange) peel oil, ethyl butyrate, ethyl-2-methyl butyrate, fragaria chiloensis (strawberry) fruit extract, vanilla planifolia fruit extract, citronellol, citrus limon (lemon) peel oil, citrus nobilis (mandarin orange) peel oil, gamma-decalactone, ribes nigrum (black currant) seed oil, rose flower 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                        | Not applicable.   |
| Ingestion                           | Drink 4-8 ounces of water or milk immediately. If prolonged nausea or pain occurs call a doctor.      |
| Inhalation                          | Not applicable.   |
| Notes to Physician                  | Treat symptomatically.  |
| Most important symptoms and effects | Acute exposure may result in eye irritation.  |

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## 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

|  |  |
|--|--|
| <b>Personal Precautions</b>                    |  |
| Industrial Setting                             | Wear appropriate personal protective equipment (refer to Section 8).   |
| Environmental Precautions                      | Avoid entry into lakes, streams, ponds or public waterways.  |
| <b>Methods for Containment and Cleaning Up</b> |  |
| 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. 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. |

## Section 7: Handling and Storage

|                           |  |
|---------------------------|--|
| <b>Safe Handling</b>      |  |
| 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.<br>Store in original container and keep container closed when not in use.<br>Avoid freezing. |
| Storage Incompatibilities | None known.  |

## Section 8: Exposure Controls, Personal Protection

|  |  |
|--|--|
| Exposure Limits                            | None known.  |
| Engineering Controls                       | Not applicable.  |
| <b>Personal Protective Equipment (PPE)</b> |  |
| 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

|                |   |
|----------------|---|
| Physical State | Liquid.   |
| Color          | Colorless (water-white)   |
| Clarity        | Clear   |
| Odor           | Unscented: Characteristic of the ingredients. Scented: Characteristic of the ingredients. |
| Odor Threshold | Not available.  |
| pH             | 4.2 - 4.6   |

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|   |                                  |
|---|----------------------------------|
| 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 (H2O = 1)              | 1.02 - 1.05                      |
| Relative Density                        | Not available.                   |
| Vapor Density (Air = 1)                 | Not available.                   |
| Solubility in Water                     | Miscible                         |
| Partition Coefficient: n-octanol/water  | Not available.                   |
| Viscosity                               | Not available.                   |
| VOC (weight %)                          | Not available.                   |

## Section 10: Stability and Reactivity

|                                    |   |
|------------------------------------|---|
| Reactivity                         | Not available.  |
| 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

|                                |  |
|--------------------------------|--|
| 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 available.   |
| Inhalation Toxicity            | Not available.   |
| Eye Contact                    | Mild Irritant, based on in-vitro data.   |
| Skin Contact                   | Non-Irritant, based on 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 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. |

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|                           |                              |
|---------------------------|------------------------------|
| Bioaccumulative Potential | Not applicable.              |
| Mobility in Soil          | Not available.               |
| Environmental Fate        | No adverse effects expected. |

## Section 13: Disposal Considerations

|   |   |
|---|---|
| <b>Product Waste</b>                    | Any disposal must be in compliance with applicable local, state, provincial and federal laws and regulations.   |
| <b>Household Setting</b>                | 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.  |
| <b>Industrial Setting</b>               | 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: |
| <b>California Hazardous Waste Code</b>  | 561   |
| <b>Connecticut Hazardous Waste Code</b> | CT04  |
| <b>Michigan Liquid Waste Code</b>       | 029L  |
| <b>Washington Hazardous Waste Code</b>  | WT02  |
| <b>Empty Packaging</b>                  | Offer empty container for recycling. If recycling is not available, discard in trash.   |

## Section 14: Transport Information

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

## Section 15: Regulatory Information

|  |   |
|--|---|
| <b>U.S.</b>                                  |   |
| <b>Toxic Substances Control Act (TSCA)</b>   | This product is exempt from the inventory requirements of the U.S. Toxic Substances Control Act (TSCA).   |
| <b>California Prop 65</b>                    | This product is not subject to the labeling requirements of California's Proposition 65.  |
| <b>California Air Resources Board (CARB)</b> | Not applicable.   |
| <b>Canada</b>                                |   |
| <b>Domestic Substances List (DSL)</b>        | 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.  |
| <b>Right to Know</b>                         | 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. |
| <b>Other</b>                                 | Fragrances used in this product comply with applicable International Fragrance Association (IFRA) guidance.   |

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## Section 16: Other Information

|               |   |
|---------------|---|
| Prepared by   | Seventh Generation Inc.                         |
| Issuing Date  | 7 May 2015                                      |
| Revision Date | 7 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
- 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