

**MATERIAL SAFETY DATA SHEET**

**SECTION I – MATERIAL IDENTIFICATION AND USE**

|  |                                      |   |  |  |
|--|--------------------------------------|---|--|--|
| <b>Material Name</b><br>Toilet Bowl Cleaner, Emerald Cypress & Fir |                                      |   |  |  |
| <b>Manufacturer's Name</b><br>Seventh Generation, Inc.             |                                      |   | <b>Street Address</b><br>60 Lake Street        |  |
| <b>City</b><br>Burlington  | <b>State</b><br>VT                   | <b>Zip Code</b><br>05401-5281             | <b>EMERGENCY TELEPHONE NO.</b><br>800-456-1191 |  |
| <b>Chemical Name</b><br>NAP  | <b>Chemical Family</b><br>NAP        | <b>Chemical Formula</b><br>NAP            |  |  |
| <b>Molecular Weight</b><br>NAP                                     | <b>Trade Name and Synonym</b><br>NAP | <b>Material Use</b><br>Household cleaning |  |  |

**SECTION II – INGREDIENTS OF MATERIAL** WHMIS Class D2B

| Ingredient Name                                    | Concentration (%) | CAS Number  | Exposure Limits | Toxicity Data LD <sub>50</sub> (oral, rat) |
|--|-------------------|-------------|-----------------|--|
| Water  | 10-100            | 7732-18-5   | NAV             | NAV  |
| Lactic acid  | 1-10              | 79-33-4     | NAP             | 3,730 mg/kg                                |
| Alkylpolyglucoside                                 | 1-10              | 110615-47-9 | NAP             | NAV  |
| Coconut alcohol ethoxylate                         | 1-10              | 68131-39-5  | NAP             | 4,150 mg/kg                                |
| Xanthan gum  | 0.1-1.0           | 11138-66-2  | NAV             | NAV  |
| Essential Oils (Lime, Balsam Fir, Emerald Cypress) | 0.03-0.3          | NAP         | NAV             | NAV  |

**SECTION III – PHYSICAL DATA FOR MATERIAL**

|   |   |                                     |                                    |   |
|---|---|-------------------------------------|------------------------------------|---|
| <b>Physical State</b><br>[ ] Solid [X] Liquid | <b>Color and Appearance</b><br>Clear liquid |                                     | <b>Odor Threshold Limit</b><br>NAP | <b>Specific Gravity</b><br>As water         |
| <b>Vapor Pressure (mm)</b><br>As water        | <b>Vapor Density (Air=1)</b><br>As water    | <b>Evaporation Rate</b><br>As water | <b>Boiling Point</b><br>As water   | <b>Freezing Point</b><br>As water           |
| <b>Solubility in Water</b><br>Miscible        | <b>Percent Volatiles</b><br>10-100 (Water)  | <b>pH</b><br>2.6                    | <b>Density (g/cc)</b><br>1.0036    | <b>Coef. Of Oil/Water Distribution:</b> NAV |

**SECTION IV – FIRE AND EXPLOSION HAZARD OF MATERIAL**

|  |                               |   |  |   |
|--|-------------------------------|---|--|---|
| <b>Flammable? If yes, under what conditions?</b><br>Yes [ ] No [X] |                               |   |  |   |
| <b>Means of Extinction</b><br>NAP                                  |                               |   |  |   |
| <b>Special Procedures</b><br>NAP                                   |                               |   |  |   |
| <b>Flashpoint (°C) and Method</b><br>NAP                           |                               | <b>Upper Explosion Limit (% by Volume)</b><br>NAP |  | <b>Lower Explosion Limit (% by Volume)</b><br>NAP |
| <b>Auto Ignition Temperature (°C)</b><br>NAV                       |                               | <b>TDG Flammability Classification</b><br>NAP     |  | <b>Hazardous Combustion Products</b><br>NAP       |
| <b>Sensitivity to Impact</b><br>NAP                                | <b>Rate of Burning</b><br>NAP | <b>Explosive Power</b><br>NAP                     |  | <b>Sensitivity to Static Discharge</b><br>NAP     |

**SECTION V – REACTIVITY DATA**

|  |  |  |  |  |
|--|--|--|--|--|
| <b>Chemically Stable? If no, under what conditions?</b><br>Yes [X] No [ ]        |  |  |  |  |
| <b>Incompatible with other substances? If yes, which ones?</b><br>Yes [ ] No [X] |  |  |  |  |
| <b>Reactivity, and under what conditions?</b><br>Not reactive                    |  |  |  |  |
| <b>Hazardous Decomposition Products</b><br>NAP                                   |  |  |  |  |

| SECTION VI – TOXICOLOGICAL PROPERTIES OF PRODUCT  |  |  |                        |
|---|--|--|------------------------|
| <b>Route of Entry</b><br><input checked="" type="checkbox"/> Skin Contact <input type="checkbox"/> Skin Absorption <input checked="" type="checkbox"/> Eye Contact <input type="checkbox"/> Inhalation, Acute <input type="checkbox"/> Inhalation, Chronic <input checked="" type="checkbox"/> Ingestion                          |  |  |                        |
| <b>Effects of Acute Exposure to Product</b><br>Irritation to eyes may occur.  |  |  |                        |
| <b>Effects of Chronic Exposure to Product</b><br>Prolonged and repeated exposure may cause eye irritation.  |  |  |                        |
| <b>LD<sub>50</sub> of Product</b><br>NAV  | <b>Irritancy of Product</b><br>May cause irritation to eyes. | <b>Exposure Limits of Product</b><br>NAV |                        |
| <b>LC<sub>50</sub> of Product</b><br>NAV  | <b>Sensitization to Product</b><br>NAV                       | <b>Synergistic Materials</b><br>NAV      |                        |
| <b>Chronic Toxicities</b><br><input type="checkbox"/> Carcinogenic <input type="checkbox"/> Reproductive Toxin <input type="checkbox"/> Teratogenic <input type="checkbox"/> Mutagenic  |  |  |                        |
| SECTION VII – PREVENTATIVE MEASURES   |  |  |                        |
| <b>Personal Protective Equipment</b>  | <b>Respiratory</b><br>NAP                                    | <b>Eye</b><br>NAP                        | <b>Footwear</b><br>NAP |
| <b>Gloves</b><br>NAP  | <b>Other</b><br>NAP  |  |                        |
| <b>Clothing</b><br>NAP  |  |  |                        |
| <b>Engineering Controls</b><br>NAP  |  |  |                        |
| <b>Leak and Spill Procedures</b><br>NAP   |  |  |                        |
| <b>Waste Disposal</b><br>NAP  |  |  |                        |
| <b>Handling Procedures and Equipment</b><br>Avoid contact with eyes. Avoid ingestion.   |  |  |                        |
| <b>Storage Requirements</b><br>Store in a cool, dry place. Avoid excess heat.   |  |  |                        |
| <b>Special Shipping Information</b><br>NAP  |  |  |                        |
| SECTION VIII – FIRST AID MEASURES   |  |  |                        |
| <b>Skin</b><br>NAP  |  |  |                        |
| <b>Eyes</b><br>Wash eye with water immediately after contact. Call a physician if irritation persists.  |  |  |                        |
| <b>Inhalation</b><br>NAP  |  |  |                        |
| <b>Ingestion</b><br>Drink a glass of water. If nausea or pain persists call a physician immediately.  |  |  |                        |
| <b>General Advice</b><br>NAP  |  |  |                        |
| SECTION IX – PREPARATION INFORMATION  |  |  |                        |
| <b>Additional Information</b><br>The information in this MSDS relates only to the specific material designated herein and does not relate to use in combination with any other material or any process.   |  |  |                        |
| <b>Sources Used</b><br>MSDS: General chemical references  |  |  |                        |
| <b>Prepared by</b><br>Seventh Generation, Inc.  | <b>Telephone Number</b><br>800-456-1191                      | <b>Date</b><br>27 August 2007            |                        |
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