

# MATERIAL SAFETY DATA SHEET

## SECTION I: PRODUCT IDENTIFICATION AND USE

**Product Name:** Automatic Dishwashing Gel

**Manufacturer's Name:** Seventh Generation, Inc.

**Address:** 60 Lake Street, Burlington, VT 05401-5281

**Emergency Telephone Number:** 800-456-1191

**Product Use:** Automatic Dishwashing

## SECTION II: HEALTH HAZARD DATA

**Emergency Overview:** Contact with skin may cause irritation. Contact with eyes may cause irritation.

### Potential Health Effects:

**Eyes-** Mild Irritant<sup>1</sup> or Moderate Irritant<sup>2</sup>  
1. Lemon 2. Grapefruit

**Skin-** Dermal Irritant

**Inhalation-** Unknown

**Ingestion-** Non-Toxic

## SECTION III: PRODUCT INGREDIENTS

Ingredient Name	Concentration (%)	CAS Number	Exposure Limits	Toxicity Data LD <sub>50</sub> (oral, rat)
Aqua (water)	30-100	7732-18-5	NAV	NAV
Sodium Silicate	10-30	1344-09-8	10 mg/cu.m.	1,280 mg/kg
Sodium Polyacrylate	3-10	2594415	NAV	>5,000 mg/kg
Sodium Citrate	3-10	68-04-2	NAV	3,000 mg/kg
PPG-6 C12-15 Pareth-12	3-10	68551-13-3	NAV	>2,000 mg/kg
Sodium Carbonate	0.3-3	479-19-8	10 mg/cu.m.	2,800 mg/kg
Xanthum Gum	0.3-3	11138-66-2	10 mg/cu.m.	>45,000 mg/kg
*Whole Essential Oils	<0.3	NAV	NAV	NAV

\***Grapefruit:** cocos nucifera (coconut), punica granatum (pomegranate), calendula officinalis flower (calendula), citrus grandis peel (grapefruit), citrus aurantium bergamia fruit (bergamot), elettaria cardamomum seed (cardamom), santalum album (sandalwood), lavendula augustifolia (lavender), citrus nobilis peel (mandarin orange), pyrus malus fruit (apple), pyrus communis fruit (pear), citrus aurantium dulcis peel (orange), ananas sativus fruit (pineapple), rose.

\***Lemon:** medica limonum peel (lemon) and citrus aurantifolia (lime). \**d-Limonene is a component of these essential oils.*

## SECTION IV: FIRST AID MEASURES

### First Aid Procedures:

**Eyes-** Flush eyes with water immediately after contact. Contact a physician if irritation persists.

**Skin-** Rinse thoroughly with water if skin contact occurs. Contact a physician if irritation persists.

**Inhalation-** Not Applicable.

**Ingestion-** Drink 4-8 ounces of water or milk immediately. If prolonged nausea or pain occurs call a doctor.

## SECTION V: FIRE FIGHTING MEASURES

**Flash Point (°C) and Method:** Not Applicable

**Extinguishing Media:** Not Applicable

**Special Procedures:** None

## SECTION VI: ACCIDENTIAL RELEASE MEASURES

**Spill and Leak Precautions:** Absorb the spill with a paper towel.

## SECTION VII: HANDLING, DISPOSAL & STORAGE

**Handling Procedures and Equipment:** No unusual precautions necessary.

**Waste Disposal:** Any disposal practice must be in compliance with local, state, and federal laws and regulations.

**Storage Procedures:** KEEP OUT OF REACH OF CHILDREN & PETS.

**Personal Protective Equipment:** Not Applicable

**Engineering Controls:** Not Applicable

## SECTION VIII: PHYSICAL & CHEMICAL PROPERTIES

**Physical State:** Liquid

**Color & Appearance:** Viscous, milky white liquid

## Automatic Dishwashing Gel

<b>pH:</b> 11.5-12		
<b>Specific Gravity:</b> Approximately 11.4		
<b>Solubility in Water:</b> Miscible		
<b>Percent Volatiles:</b> ≤0.5%		
<b>Density (g/cc):</b> 1.14		
<b>Odor Threshold Limit:</b> Not Applicable		
<b>SECTION IX: STABILITY &amp; REACTIVITY</b>		
<b>Chemical Stability:</b> <input checked="" type="checkbox"/> Stable <input type="checkbox"/> Unstable under the following conditions:		
<b>Incompatible Materials:</b> None Known		
<b>Hazardous Decomposition Products:</b> None Known		
<b>Possibility of Hazardous Reactions:</b> None Known		
<b>SECTION X: TOXICOLOGICAL INFORMATION</b>		
<b>Route(s) of Entry:</b>		
<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> Acute exposure may result in eye irritation; however, no permanent damage is expected.		
<b>Effects of Chronic Exposure to Product:</b> NAP		
<b>LD<sub>50</sub> of Product:</b> >5000mg/kg		
<b>Chronic Toxicities:</b> <input type="checkbox"/> Carcinogenic <input type="checkbox"/> Reproductive Toxin <input type="checkbox"/> Teratogenic <input type="checkbox"/> Mutagenic <input checked="" type="checkbox"/> None		
<b>SECTION XI: ECOLOGICAL INFORMATION</b>		
<b>Ecotoxicity: LC<sub>50</sub> of Product:</b> >100 mg/L		
<b>Environmental Fate:</b> This product is not biodegradable.		
<b>SECTION XII: PREPARATION INFORMATION</b>		
<b>Additional Information:</b> The information in this MSDS relates only to the specific material designated herein and does <b>not</b> relate to use in combination with any other material or any process.		
<b>Sources Used:</b> General MSDS chemical references		
<b>Prepared by</b> Seventh Generation, Inc.	<b>Telephone Number</b> 800-456-1191	<b>Issue Date</b> September 24, 2009
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