

# MATERIAL SAFETY DATA SHEET

## SECTION I: PRODUCT IDENTIFICATION AND USE

**Product Name:** Automatic Dishwashing Detergent Powder

**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:** Harmful if swallowed. Contact with eyes may cause irritation. May cause irritation of respiratory tract.

### Potential Health Effects:

**Eyes-** Ocular Irritant

**Skin-** Non-Irritant

**Inhalation-** Unknown

**Ingestion-** Toxic

## SECTION III: PRODUCT INGREDIENTS

Ingredient Name	Concentration (%)	CAS Number	Exposure Limits	Toxicity Data LD <sub>50</sub> (oral, rat)
Sodium Carbonate	10-100	497-19-8	NAV	4,090 mg/kg
Sodium Sulfate	3-30	7757-82-6	NAV	5,989 mg/kg
Sodium Chloride	3-30	7647-14-5	NAV	3,000 mg/kg
Citric Acid	3-30	77-92-9	NAV	3,000 mg/kg
Sodium Silicate	1-10	1344-09-8	NAV	1,500-3,200 mg/kg
Polyaspartic Acid	1-10	53320-86-8	NAV	>2,000 mg/kg
PPG-10-Laureth-7	1-10	68439-51-0	NAV	>2,000 mg/kg
Sodium Percarbonate	1-10	15630-89-4	NAV	2,400 mg/kg
Protease	0.1-1	9014-01-1	NAV	>2,000 mg/kg
Amylase	0.1-1	9000-90-2	NAV	>2,000 mg/kg

## SECTION IV: FIRST AID MEASURES

### First Aid Procedures:

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

**Skin-** Not Applicable

**Inhalation-** Leave the dusty area and seek fresh air exposure. Call a physician if irritation persists.

**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:** Wet the spill and clean up with a paper towel.

## SECTION VII: HANDLING, DISPOSAL & STORAGE

**Handling Procedures and Equipment:** Avoid contact with eyes.

**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. Store in a cool, dry place away from excess heat.

**Personal Protective Equipment:** Not Applicable

**Engineering Controls:** Not Applicable

## SECTION VIII: PHYSICAL & CHEMICAL PROPERTIES

**Physical State:** Solid

**Color & Appearance:** White Granular Powder

**pH:** 9.5-10.5

**Specific Gravity:** Not Applicable

**Solubility in Water:** Miscible

**Percent Volatiles:** ≤0.5%

**Automatic Dishwashing Detergent Powder**

<b>Density (g/cc):</b> 0.95-1.05		
<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 checked="" 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 irritate the respiratory tract; however no permanent damage is expected.		
<b>Effects of Chronic Exposure to Product:</b> Not Applicable		
<b>LD<sub>50</sub> of Product:</b> <5,000 mg/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 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> March 1, 2010
The information contained in this Material Safety Data Sheet is provided by Seventh Generation, Inc. free of charge. While believed to be reliable, it is intended for use by skilled persons at their own risk. Seventh Generation, Inc. assumes no responsibility for events resulting from, or damages incurred from, its use.		