

MATERIAL SAFETY DATA SHEET

SECTION I: PRODUCT IDENTIFICATION AND USE

Product Name: Automatic Dishwashing Detergent Pacs

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 eyes may cause irritation.

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 ₅₀ (oral, rat)
Citric Acid	10-100	77-92-9	NAV	3,000 mg/kg
Sodium Carbonate	10-100	497-19-8	NAV	4,090 mg/kg
Sodium Silicate	10-100	1344-09-8	NAV	1,960 mg/kg
Sodium Bicarbonate	1-10	144-55-8	NAV	4,220 mg/kg
Sodium Magnesium Silicate	1-10	53320-86-8	NAV	8,000 mg/kg
Polyaspartic Acid	1-10	617-45-8	NAV	>2,000 mg/kg
Sodium Percarbonate	1-10	15630-89-4	NAV	2,400 mg/kg
PPG-10-Laureth-7	1-10	NAP	NAV	NAV
Sodium Sulfate	1-10	7757-82-6	NAV	1,288 mg/kg
Protease	1-10	9014-01-1	NAV	>5,000 mg/kg
Amylase	0.1-1	9000-90-2	NAV	>2,000 mg/kg
Sodium Aluminosilicate	0.1-1	1318-02-1	NAV	27,000 mg/kg
*Medica limonum peel (Lemon)	<0.3	8020-19-7	NAV	NAV
*Citrus aurantifolia (Lime)	<0.3	5893-73-2	NAV	6,250 mg/kg

* Only present in the Lemon fragranced Automatic Dishwashing Detergent Pacs. 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. 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- Do not induce vomiting. Drink 4-8 ounces of water or milk immediately.
Contact a poison control center or physician.

SECTION V: FIRE FIGHTING MEASURES

Flash Point (°C) and Method: Not Flammable

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: Wear PPE when handling powder or dust.

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: 3M 8233 mask or equivalent

Engineering Controls: Local Exhaust Ventilation

SECTION VIII: PHYSICAL & CHEMICAL PROPERTIES

Physical State: Solid

Automatic Dishwashing Detergent Pacs

Color & Appearance: Clear pouch filled with white granular powder		
pH: 7-8		
Specific Gravity: Not Applicable		
Solubility in Water: Miscible		
Percent Volatiles: Not Applicable		
Density (g/cc): 0.8		
Odor Threshold Limit: Not Applicable		
SECTION IX: STABILITY & REACTIVITY		
Chemical Stability: <input checked="" type="checkbox"/> Stable <input type="checkbox"/> Unstable under the following conditions:		
Incompatible Materials: None Known		
Hazardous Decomposition Products: None Known		
Possibility of Hazardous Reactions: None Known		
SECTION X: TOXICOLOGICAL INFORMATION		
Route(s) of Entry:		
<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 type="checkbox"/> Ingestion		
Effects of Acute Exposure to Product: Acute exposure may result in eye irritation; however, no permanent damage is expected.		
Effects of Chronic Exposure to Product: None Known		
LD₅₀ of Product: <5,000 mg/kg		
Chronic Toxicities: <input type="checkbox"/> Carcinogenic <input type="checkbox"/> Reproductive Toxin <input type="checkbox"/> Teratogenic <input type="checkbox"/> Mutagenic <input checked="" type="checkbox"/> None		
SECTION XI: ECOLOGICAL INFORMATION		
Ecotoxicity: LC₅₀ of Product: Not yet known		
Environmental Fate: This product is biodegradable.		
SECTION XII: PREPARATION INFORMATION		
Additional Information: 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.		
Sources Used: General MSDS chemical references		
Prepared by Seventh Generation, Inc.	Telephone Number 800-456-1191	Issue Date March 9, 2009
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