

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: Contact with eyes may cause irritation.

Potential Health Effects:

Eyes- Ocular Irritant

Skin- Non-Irritant

Inhalation- Unknown

Ingestion- Non-Toxic

SECTION III: PRODUCT INGREDIENTS

Ingredient Name	Concentration (%)	CAS Number	Exposure Limits	Toxicity Data LD ₅₀ (oral, rat)
Sodium Carbonate	10-100	479-19-8	TLV 10 mg/m ³	2,800 mg/kg
Water	1-10	7732-18-5	NAV	NAV
Sodium Sulphate	3-30	7757-82-6	NAV	Oral LD ₅₀ mouse 5,989
Sodium Chloride	3-30	7647-14-5	NAV	3,000 mg/kg
Citric Acid	3-30	77-92-9	NAV	NAV
Sodium Silicate	0.1-10	1344-09-8	NAV	NAV
Polymeric salt	0.1-10	68479-09-4	NAV	>5,000 mg/kg
Ethoxylated/Propoxylated Alcohol	0.5-5	N/A	NAV	NAV
Sodium Perborate Monohydrate	0.5-5	10332-33-9	NAV	(female) 890; (male) 1,300 mg/kg
Enzyme Protease	0.1-1	01/01/9014	TLV 0.00006 mg/m ³	>2,000 mg/kg
Enzyme 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: 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

Color & Appearance: White Granular Powder

pH: 9.5-10.5

Specific Gravity: Not Applicable

Solubility in Water: Complete at 25C

Automatic Dishwashing Detergent Powder

Percent Volatiles: <5%		
Density (g/cc): 1.02 +/- 0.1		
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 checked="" type="checkbox"/> Ingestion		
Effects of Acute Exposure to Product: Acute exposure may irritate the respiratory tract; however no permanent damage is expected.		
Effects of Chronic Exposure to Product: NAP		
LD₅₀ of Product: >5000mg/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
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.		