



MATERIAL SAFETY DATA SHEET

SECTION I: PRODUCT IDENTIFICATION AND USE

Product Name: Automatic Dishwasher Detergent (powder)

Manufacturer's Name: Seventh Generation, Inc.

Address: 60 Lake Street, Burlington, VT 05401, USA

Emergency Telephone Number (U.S., Canada):

M-F 8:30 am - 5pm ET (except holidays): 1-800-456-1191

Outside these hours: 1-800-255-3924 (ChemTel MIS0007366)

Product Use:

Automatic Dishwashing

SECTION II: HEALTH HAZARD DATA

Emergency Overview: May be harmful if swallowed. Contact with eyes may cause irritation. May cause irritation of respiratory tract.

Potential Health Effects:

Eyes: May irritate eyes.

Skin: No irritation expected when used according to directions. Possible irritation from prolonged contact.

Inhalation: While inhalation of a product dust is unlikely, suck exposure may cause upper respiratory irritation.

Ingestion: May cause gastrointestinal irritation with nausea, vomiting, and delayed diarrhea.

SECTION III: PRODUCT INGREDIENTS

Ingredient Name	Concentration %	CAS Number	Exposure Limits	Toxicity Data LD ₅₀ (oral, rat)
sodium chloride	30-100	7647-14-5	NAV	3000 mg/kg
sodium sulfate	10-30	7757-82-6	NAV	5989 mg/kg (mouse)
sodium carbonate	10-30	497-19-8	NAV	4090 mg/kg
citric acid	10-30	77-92-9	NAV	3000 mg/kg
sodium percarbonate	1-3	15630-89-4	NAV	2400 mg/kg
PPG-10-laureth-7	1-3	68439-51-0	NAV	>2000 mg/kg
sodium polyaspartate	1-3	34345-47-6	NAV	>5000 mg/kg
sodium silicate	≤1	1344-09-8	NAV	1960 mg/kg
protease	≤1	9014-01-1	NAV	3700 mg/kg
amylase	≤1	9000-90-2	NAV	>2000 mg/kg

SECTION IV: FIRST AID MEASURES

First Aid Procedures:

Eyes: Promptly flush with large amounts of water for at least 15 minutes. Contact a physician if redness or irritation persists.

Skin: Rinse with water. Remove contaminated clothing and shoes.

Inhalation: While inhalation of product dust is unlikely, move to fresh air away from dust.

Ingestion: Do not induce vomiting. Drink a glass of milk or water. Call a doctor.

SECTION V: FIRE FIGHTING MEASURES

Flash Point (°C) and Method: Non flammable.

Extinguishing Media: As appropriate for surrounding fire. Use water, dry chemical, carbon dioxide or foam.

Special Procedures: Fire fighters should wear self contained breathing apparatus as for surrounding fire.

SECTION VI: ACCIDENTAL RELEASE MEASURES



MATERIAL SAFETY DATA SHEET

Spill and Leak Precautions:		Small or household Quantities: Spills and leaks may be cleaned up and disposed of in normal household trash. Large (industrial) release: Material may be slippery if spilled and wet. Prevent spill from entering a waterway. Stop spill at source and contain material. Transfer powder to container for recovery or disposal. Dispose liquid in accordance with all applicable local, state, and federal regulations. Small amounts may be flushed to sewer.	
SECTION VII: HANDLING, DISPOSAL & STORAGE			
Handling Procedures and Equipment:		Not Applicable.	
Waste Disposal:		Any disposal practice must be in compliance with local, state, and federal laws and regulations.	
Storage Procedures:		Store in a cool, dry place away from excessive heat. KEEP OUT OF REACH OF CHILDREN & PETS.	
Personal Protective Equipment:		For routine household use: No special precautions necessary as long as product is used as directed. For industrial activities: Respiratory Protection: None required under normal conditions. General ventilation required. Eye Protection: Goggles or other protective eye wear may be worn for protection. Skin Protection: Gloves may be worn for protection.	
Engineering Controls:		Not Applicable.	
SECTION VIII: PHYSICAL & CHEMICAL PROPERTIES			
Physical State:		Solid (Powder).	
Appearance & Color:		Solid White	
pH:		9.8-10.4 (1%)	
Specific Gravity:		---	
Solubility in Water:		Soluble.	
Odor Threshold Limit:		Not Applicable.	
SECTION IX: STABILITY & REACTIVITY			
Chemical Stability:		☒ Stable ☐ Unstable under the following conditions:	
Incompatible Materials:		Strong oxidizers or reducing agents, strong acids or strong bases.	
Hazardous Decomposition Products:		None known.	
Possibility of Hazardous Reactions:		None known.	
SECTION X: TOXICOLOGICAL INFORMATION			
Route(s) of Entry:			
☒ Skin Contact ☐ Skin Absorption ☒ Eye Contact ☒ Inhalation, Acute ☐ Inhalation, Chronic ☒ Ingestion			
Effects of Acute Exposure to Product:		Adverse health effects are considered unlikely when the product is used according to directions. Ingestion: May cause gastrointestinal irritation with nausea, vomiting, and delayed diarrhea. Inhalation: While inhalation of a product mist is unlikely, suck exposure may cause upper respiratory irritation. Skin Contact: No irritation expected when used according to directions. Possible irritation from prolonged contact. Eye Contact: May cause irritation and discomfort. Effects of Chronic Exposure: None expected.	
Effects of Chronic Exposure to Product:		NAP	
LD₅₀ of Product (mg/kg):		>2000	
Chronic Toxicities:		☐ Carcinogenic ☐ Reproductive Toxin ☐ Teratogenic ☐ Mutagenic ☒ None	
SECTION XI: ECOLOGICAL INFORMATION			
Ecotoxicity: LC₅₀ of Product:		<100 mg/L	
Environmental Fate:		Non inorganic components are biodegradable.	
SECTION XII: TRANSPORTATION INFORMATION			



MATERIAL SAFETY DATA SHEET

Not regulated.

SECTION XIII: 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	Telephone Number	Issue Date
Seventh Generation, Inc.	800-456-1191	9/15/2012

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