



MATERIAL SAFETY DATA SHEET

SECTION I: PRODUCT IDENTIFICATION AND USE

Product Name: Natural Laundry Detergent Packs

Manufacturer's Name: Seventh Generation, Inc.

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

Emergency Telephone Number (U.S., Canada):
M-F 9 am - 4 pm ET (except holidays): 1-800-456-1191
Outside these hours: 1-800-255-3924 (ChemTel)

Product Use:
Laundry

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: Ocular Irritant

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

Inhalation: While inhalation of a product dust is unlikely, sudden inhalation of large quantity of dust 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 bicarbonate	30-100	144-55-8	NAV	4220 mg/kg
sodium carbonate	10-30	497-19-8	NAV	4090 mg/kg
sodium chloride	10-30	7647-14-5	NAV	3000 mg/kg
laureth-6.	3-10	68439-50-9	NAV	6365 mg/kg
sodium citrate	3-10	68-04-2	NAV	>8000 mg/kg
sodium aluminosilicate	3-10	68989-22-0	NAV	NAV
sodium percarbonate	3-10	15630-89-4	NAV	2400 mg/kg
sodium silicate	≤1	1344-09-8	NAV	1960 mg/kg
cellulose gum	≤1	9004-32-4	NAV	27000 mg/kg
cocos nucifera (coconut) oil	≤1	8001-31-8	NAV	NAV
sodium lauryl sulfate	≤1	151-21-3	NAV	>500-5000 mg/kg
magnesium sulfate	≤1	10034-99-8	NAV	NAV
sodium carboxymethyl inulin	≤1	430439-54-6	NAV	>2000 mg/kg
protease	≤1	9014-01-1	NAV	3700 mg/kg
amylase	≤1	9000-90-2	NAV	>2000 mg/kg
mannanase	≤1	37288-54-3	NAV	>2000 mg/kg
essential oils & botanical extracts*	≤1	NAV	NAV	NAV
Water soluble film:				
polyvinyl alcohol	30-100	139871-83-3	NAV	20000 mg/kg
glycerin	10-30	56-81-5	NAV	>12000 mg/kg

*Free & Clear: not applicable.

*Mandarin & Sandalwood: 3-hexenol, cedrenol, citronellol, citrus aurantium dulcis (orange) peel oil, citrus nobilis (mandarin orange) peel oil, fusanus spicatus wood oil, gamma-decalactone, juniperus mexicana oil, pelargonium graveolens flower oil, pogostemon cablin oil. d-Limonene is a component of these essential oils.

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.



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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

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. Recycle empty container.
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 in PVA Pouch).
Appearance & Color:	Solid White
pH: (1% aqueous solution)	9.4 - 10.1
Specific Gravity:	---
Solubility in Water:	Soluble.
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:	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:	<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
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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.
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Effects of Chronic Exposure to Product:	NAP
LD ₅₀ (oral) of Product (mg/kg) (based on ingredients):	>2000



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Chronic Toxicities:		Carcinogenic		Reproductive Toxin		Teratogenic		Mutagenic	X	None
SECTION XI: ECOLOGICAL INFORMATION										
Ecotoxicity: LC ₅₀ of Product:		<100 mg/L								
Environmental Fate:		Non inorganic components are biodegradable.								
SECTION XII: TRANSPORTATION INFORMATION										
DOT: Not regulated.										
TDG: Not regulated.										
SECTION XIII: REGULATORY INFORMATION										
Toxic Substances Control Act (TSCA)		All ingredients are listed or exempt from listing on the Chemical Substance Inventory.								
California Proposition 65		No ingredients listed.								
SECTION XIV: OTHER INFORMATION										
HMIS Classification	Not Determined.		Health		Flammability		Physical Hazards	A	PPE	
SECTION XV: 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				17-May-2013			
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