

MATERIAL SAFETY DATA SHEET

SECTION I: PRODUCT IDENTIFICATION AND USE

Product Name: Natural 4X Laundry Detergent

Manufacturer's Name: Seventh Generation, Inc.

Address: 60 Lake Street, Burlington, VT 05401-5281

Emergency Telephone Number: 800-456-1191

Product Use: Laundry

SECTION II: HEALTH HAZARD DATA

Emergency Overview: No known health hazards.

Potential Health Effects:

Eyes- Minimal 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)
Aqua (water)	10-100	7732-18-5	NAV	NAV
Laureth-6	3-30	68551-12-2	NAV	500-2,000 mg/kg
Sodium Lauryl Sulfate (SLS)	3-10	151-21-3	NAV	>500-5,000 mg/kg
Sodium Citrate	1-10	68-04-2	NAV	1,548 mg/kg
Oleic Acid	1-10	112-80-1	NAV	74,000 mg/kg
Glycerin	1-10	56-81-5	NAV	>12,000 mg/kg
Boric Acid	1-10	10043-35-3	NAV	3,500 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
Mannanase	0.1-1	37288-54-3	NAV	>2,000 mg/kg
Calcium Chloride	0.01-1	10043-52-4	NAV	1,000 mg/kg
Sodium Hydroxide	0.01-1	1310-73-2	NAV	1,350 mg/kg (rabbit)
*Aceites Esenciales Puros	0.01-1		NAV	N/D
Preservative System Components:	0.01-1		NAV	>2,500 mg/kg
Methylisothiazolinone		2682-20-4		
Benzisothiazolinone		2634-33-5		

Free & Clear: Not Applicable

***Geranium Blossoms & Vanilla:** prunus amygdalus dulcis (sweet almond) oil, citrus aurantium dulcis (orange) peel oil, citrus limon (lemon) peel oil, pogostemon cablin (patchouli) oil, cedrol, litsea cubeba fruit oil, cananga odorata flower (ylang ylang) oil, citrus aurantium bergamia (bergamot) fruit oil, citronellol, vanillin, coriandrum sativum (coriander) fruit oil, beta-caryophyllene, eugenia caryophyllus (clove) leaf oil, pelargonium graveolens flower (geranium) oil. *Citral and d-limonene are components 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- Not Applicable.

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: Absorb the spill with a paper towel.

SECTION VII: HANDLING, DISPOSAL & STORAGE

Handling Procedures and Equipment: No unusual precautions necessary.

Waste Disposal: Any disposal practice must be in compliance with local, state, and federal laws and regulations.

Natural 4X Laundry Detergent

Storage Procedures: KEEP OUT OF REACH OF CHILDREN & PETS.		
Personal Protective Equipment: Not Applicable		
Engineering Controls: Not applicable		
SECTION VIII: PHYSICAL & CHEMICAL PROPERTIES		
Physical State: Liquid		
Color & Appearance: Clear Liquid		
pH: 8.5-8.9		
Specific Gravity: As water		
Solubility in Water: Miscible		
Percent Volatiles: ≤0.5%		
Density (g/cc): 1.04		
Odor Threshold Limit: Not Applicable		
SECTION IX: STABILITY & REACTIVITY		
Chemical Stability: <input checked="" type="checkbox"/> Stable <input type="checkbox"/> Unstable under the following conditions: Not applicable		
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 type="checkbox"/> Inhalation, Acute <input type="checkbox"/> Inhalation, Chronic <input checked="" 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: Not Applicable		
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: >100 mg/L		
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 December 10, 2010
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