



MATERIAL SAFETY DATA SHEET

SECTION I: PRODUCT IDENTIFICATION AND USE

Product Name: Natural 4X Concentrated Laundry Detergent

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:

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)	30-100	7732-18-5	NAV	NAV
laureth-6.	10-30	68439-50-9	NAV	6365 mg/kg
sodium lauryl sulfate	3-10	151-21-3	NAV	>500-5000 mg/kg
sodium citrate	3-10	68-04-2	NAV	>8000 mg/kg
glycerin	1-3	56-81-5	NAV	>12000 mg/kg
oleic acid	1-3	112-80-1	NAV	25000 mg/kg
boric acid	1-3	10043-35-3	NAV	2660 mg/kg
sodium hydroxide	≤1	1310-73-2	NAV	500 mg/kg (rabbit)
calcium chloride	≤1	10043-52-4	NAV	1000 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
methylisothiazolinone (and) benzisothiazolinone	≤1	2682-20-4 & 2634-33-5	NAV	>2500 mg/kg

*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, cedrenol, litsea cubeba fruit oil, cananga odorata (ylang ylang) flower oil, citrus aurantium bergamia (bergamot) fruit oil, citronellol, vanillin, coriandrum sativum (coriander) fruit oil, beta-caryophyllene, eugenia caryophyllus (clove) leaf oil, pelargonium graveolens (geranium) flower 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: Non flammable.

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



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Special Procedures:	Fire fighters should wear self contained breathing apparatus as for surrounding fire.		
SECTION VI: ACCIDENTAL 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.		
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.		
Appearance & Color:	Clear	Light amber	
pH:	8.5 - 8.9		
Specific Gravity:	1.05 - 1.08		
Solubility in Water:	Miscible.		
Odor Threshold Limit:	Not Applicable.		
SECTION IX: STABILITY & REACTIVITY			
Chemical Stability:	☒ Stable	☐ 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:	☒ Skin Contact ☐ Skin Absorption ☒ Eye Contact ☐ Inhalation, Acute ☐ Inhalation, Chronic ☒ 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:	NAP		
LD₅₀ of Product (mg/kg):	>5000		
Chronic Toxicities:	☐ Carcinogenic	☐ Reproductive Toxin	☐ Teratogenic ☐ Mutagenic ☒ None
SECTION XI: ECOLOGICAL INFORMATION			
Ecotoxicity: LC₅₀ of Product:	>100 mg/L		
Environmental Fate:	This product is biodegradable.		
SECTION XII: TRANSPORTATION INFORMATION			
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 Seventh Generation, Inc.	Telephone Number 800-456-1191	Issue Date 8/13/2012	
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