

# MATERIAL SAFETY DATA SHEET

## SECTION I: PRODUCT IDENTIFICATION AND USE

**Product Name:** Natural 2X Concentrated 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 <sub>50</sub> (oral, rat)
Aqua (water)	10-100	7732-18-5	NAV	NAV
Laureth-6	3-30	68551-12-2	NAP	500-2,000 mg/kg
Sodium Lauryl Sulfate (SLS)	3-10	151-21-3	NAP	>500-5,000 mg/kg
Sodium Citrate	1-10	68-04-2	NAP	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	NAP	3,500 mg/kg
Protease	0.1-1	9014-01-1	NAV	>5,000 mg/kg
Amylase	0.1-1	9000-90-2	NAV	>2,000 mg/kg
Sodium Chloride	0.1-1	7647-14-5	NAP	3,000 mg/kg
Calcium Chloride	0.01-1	10043-52-4	NAP	1,000 mg/kg
Sodium Hydroxide	0.01-1	1310-73-2	NAP	1,350 mg/kg (rabbit)
Citric Acid	0.01-1	77-92-9	NAP	3,000 mg/kg
*Whole Essential Oils & Botanical Extracts	0.01-1		NAP	NAV
Preservative System Components:	0.01-1		NAV	>2,500 mg/kg
Methylisothiazolinone		2682-20-4		
Benzisothiazolinone		2634-33-5		

**Free & Clear:** Not Applicable

**\*Blue Eucalyptus & Lavender:** lavendula hybrid (lavandin), lavendula angustifolia (lavender), eucalyptus dives, pinus sylvestris (pine). Linalool is a component of these essential oils.

**\*White Flower & Bergamot Citrus:** citrus aurantium bergamia (bergamot), citrus aurantium dulcis (orange), citrus aurantium amara (petitgrain bigarade sur fleurs), myristica fragrans (nutmeg). Linalool and d-limonene are components of these essential oils.

**\*Wildflowers & Fresh Citrus:** prunus amygdalus dulcis (sweet almond) oil, cedrol, citronellol, eugenia caryophyllus (clove) leaf oil, citrus grandis (grapefruit) peel oil, litsea cubeba fruit oil, citrus aurantium dulcis (orange) peel oil, pogostemon cablin (patchouli) oil, citrus nobilis (mandarin orange) peel oil, vanillin, cananga odorata (ylang ylang) flower oil. d-Limonene is a component 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

## Natural 2X Concentrated Laundry Detergent

### 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

**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:**  Stable  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:**

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:** Not Applicable

**LD<sub>50</sub> of Product:** >5,000 mg/kg

**Chronic Toxicities:**  Carcinogenic  Reproductive Toxin  Teratogenic  Mutagenic  None

### SECTION XI: ECOLOGICAL INFORMATION

**Ecotoxicity: LC<sub>50</sub> 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

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