



MATERIAL SAFETY DATA SHEET

SECTION I: PRODUCT IDENTIFICATION AND USE

Product Name: Natural Laundry Detergent (liquid) (previously referred to as 2X)	
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: 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.	3-10	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
boric acid	1-3	10043-35-3	NAV	2660 mg/kg
sodium chloride	1-3	7647-14-5	NAV	3000 mg/kg
oleic acid	≤1	112-80-1	NAV	25000 mg/kg
sodium hydroxide	≤1	1310-73-2	NAV	NAV
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
methylisothiazolinone (and) benzisothiazolinone	≤1	2682-20-4 & 2634-33-5	NAV	>2500 mg/kg
citric acid	≤1	77-92-9	NAV	3000 mg/kg
essential oils & botanical extracts*	≤1	NAV	NAV	NAV

*Free & Clear: not applicable.
 *Blue Eucalyptus & Lavender: lavandula hybrida (lavandin), lavandula angustifolia (lavender), eucalyptus dives, pinus sylvestris (pine).
 *Fresh Citrus: buchu leaf oil, carthamus tinctorius (safflower) seed oil, citrus aurantium dulcis (orange) peel oil, gamma-decalactone, linalool. d-Limonene and linalool are components of these essential oils.
 *Fresh Citrus Breeze: barosma betulina leaf/twig extract, gamma-decalactone, 3-hexenol, linalool, citrus aurantium dulcis (orange) peel oil, vanillin. Linalool and d-Limonene are components 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.

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



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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. Recycle empty container.	
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: (100%)	8.5 - 8.9	
Specific Gravity:	1.04 - 1.07	
Solubility in Water:	Miscible.	
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:	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:	NAP	
LD ₅₀ (oral) of Product (mg/kg) (based on ingredients):	>5000	
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: LC ₅₀ of Product:	>100 mg/L	
Environmental Fate:	This product is 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	0 Health 0 Flammability 0 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 Seventh Generation, Inc.	Telephone Number 800-456-1191	Issue Date 25-Apr-2013
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