

# MATERIAL SAFETY DATA SHEET

## SECTION I - MATERIAL IDENTIFICATION AND USE

<b>Material Name</b> Laundry Liquid, 2X, White Flower & Bergamot Citrus				
<b>Manufacturer's Name</b> Seventh Generation, Inc.			<b>Street Address</b> 60 Lake Street	
<b>City</b> Burlington	<b>State</b> VT	<b>Zip Code</b> 05401-5281	<b>EMERGENCY TELEPHONE NO.</b> 800-456-1191	
<b>Chemical Name</b> NAP	<b>Chemical Family</b> NAP	<b>Chemical Formula</b> NAP		
<b>Molecular Weight</b> NAP	<b>Trade Name and Synonym</b> NAP	<b>Material Use</b> Household cleaning		

## SECTION II - INGREDIENTS OF MATERIAL WHMIS Class D2B

Ingredient Name	Concentration (%)	CAS Number	Exposure Limits	Toxicity Data LD <sub>50</sub> (oral, rat)
Water, Soft	10-100	7732-18-5	NAV	NAV
Coconut Alcohol Ethoxylate	3-30	68131-39-5	NAP	4,150 mg/kg
Sodium Laureth Sulfate	3-30	68585-34-2	NAP	5,000 mg/kg
Sodium Citrate	1-10	06132-04-3	NAP	1548 mg/kg
Glyceryl Oleate	1-10	25496-72-4	NAP	NAV
Glycerin	1-10	56-81-5	NAV	NAV
Oleic Acid	1-10	112-80-1	NAV	74,000 mg/kg
Protease	0.3-3	NAV	NAV	NAV
Amylase	0.3-3	NAV	NAV	NAV
Cellulase	0.3-3	9012-54-8	NAV	>5,000 mg/kg
Sodium Borate (Borax)	0.3-3	1330-34-4	NAP	5,660 mg/kg
Calcium Chloride	0.01-1	10043-52-4	NAP	1,000 mg/kg
Sodium hydroxide	0.01-1	1310-73-2	NAP	NAP
*Whole Essential Oils	0.01-1		NAP	NAV
Hexahydro-1,3,5-Tris (2-hydroxyethyl)-s-triazine	<0.05	4719-04-4	NAP	535 mg/kg

\* Petitgrain Bigarade sur Fleurs, Blood Orange Oil, Bergamot Oil and Nutmeg Oil

## SECTION III - PHYSICAL DATA FOR MATERIAL

<b>Physical State</b> [ ] Solid [X] Liquid	<b>Color and Appearance</b> Clear liquid	<b>Odor Threshold Limit</b> NAP	<b>Specific Gravity</b> As water
<b>Vapor Pressure (mm)</b> As water	<b>Vapor Density (Air=1)</b> As water	<b>Evaporation Rate</b> As water	<b>Boiling Point</b> As water
<b>Solubility in Water</b> Miscible	<b>Percent Volatiles</b> 10-100 (Water)	<b>pH</b> 8.3-8.8	<b>Density (g/cc)</b> 1.04
<b>Freezing Point</b> As water			
<b>Coef. Of Oil/Water Distribution:</b> NAV			

## SECTION IV - FIRE AND EXPLOSION HAZARD OF MATERIAL

<b>Flammable? If yes, under what conditions?</b> Yes [ ] No [X]				
<b>Means of Extinction</b> NAP				
<b>Special Procedures</b> NAP				
<b>Flashpoint (°C) and Method</b> NAP		<b>Upper Explosion Limit (% by Volume)</b> NAP		<b>Lower Explosion Limit (% by Volume)</b> NAP
<b>Auto Ignition Temperature (°C)</b> NAV		<b>TDG Flammability Classification</b> NAP		<b>Hazardous Combustion Products</b> NAP
<b>Sensitivity to Impact</b> NAP	<b>Rate of Burning</b> NAP	<b>Explosive Power</b> NAP		<b>Sensitivity to Static Discharge</b> NAP

## SECTION V - REACTIVITY DATA

<b>Chemically Stable? If no, under what conditions?</b> Yes [X] No [ ]				
<b>Incompatible with other substances? If yes, which ones?</b> Yes [ ] No [X]				
<b>Reactivity, and under what conditions?</b> Not reactive				
<b>Hazardous Decomposition Products:</b> NAP				

**Material Name**

Laundry Liquid, 2X, White Flower &amp; Bergamot Citrus

**SECTION VI – TOXICOLOGICAL PROPERTIES OF PRODUCT****Route of Entry** Skin Contact    Skin Absorption    Eye Contact    Inhalation, Acute    Inhalation, Chronic    Ingestion**Effects of Acute Exposure to Product**

Irritation to eyes may occur.

**Effects of Chronic Exposure to Product**

Prolonged and repeated exposure may cause eye irritation.

**LD<sub>50</sub> of Product**

NAV

**Irritancy of Product**

May cause irritation to eyes.

**Exposure Limits of Product**

NAV

**LC<sub>50</sub> of Product**

NAV

**Sensitization to Product**

NAV

**Synergistic Materials**

NAV

**Chronic Toxicities** Carcinogenic    Reproductive Toxin    Teratogenic    Mutagenic**SECTION VII – PREVENTATIVE MEASURES****Personal Protective Equipment****Respiratory**

NAP

**Eye**

NAP

**Footwear**

NAP

**Gloves**

NAP

**Other**

NAP

**Clothing**

NAP

**Engineering Controls**

NAP

**Leak and Spill Procedures**

NAP

**Waste Disposal**

NAP

**Handling Procedures and Equipment**

Avoid contact with eyes. Avoid ingestion.

**Storage Requirements**

Store in a cool, dry place. Avoid excess heat.

**Special Shipping Information**

NAP

**SECTION VIII – FIRST AID MEASURES****Skin**

NAP

**Eyes**

Wash eye with water immediately after contact. Call a physician if irritation persists.

**Inhalation**

NAP

**Ingestion**

Drink a glass of water. If nausea or pain persists call a physician immediately.

**General Advice**

NAP

**SECTION IX – 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**

MSDS: General chemical references

**Prepared by**

Seventh Generation, Inc.

**Telephone Number**

800-456-1191

**Date**

28 February 2008

The information contained in this Material Safety Data Sheet is provided by Seventh Generation, Inc. free of charge. While believed to be reliable, it is intended for use by skilled persons at their own risk. Seventh Generation, Inc. assumes no responsibility for events resulting from, or damages incurred from, its use.