

# MATERIAL SAFETY DATA SHEET

## SECTION I - MATERIAL IDENTIFICATION AND USE

<b>Material Name</b> 7th Generation Laundry Free & Clear			
<b>Manufacturer's Name</b> Seventh Generation Inc.		<b>Supplier's Name</b>	
<b>Street Address</b> 212 Battery Street, Suite A		<b>Street Address</b>	
<b>City</b> Burlington	<b>State</b> Vermont	<b>City</b>	<b>State</b>
<b>ZIP Code</b> 05401-5281	<b>Emergency Telephone No.</b> 1-800-456-1191	<b>ZIP Code</b>	<b>Emergency Telephone</b>
<b>Chemical Name</b> N/A	<b>Chemical Family</b>	<b>Chemical Formula</b>	
<b>Molecular Weight</b>	<b>Trade Name and Synonym</b>	<b>Material Use</b>	

## SECTION II - HAZARDOUS INGREDIENTS OF MATERIAL WHMIS Class D2B

Hazardous Ingredients	Approximate Concentration	C.A.S. N.A. or U.N. Numbers	Exposure Limits	LD 50 / LC 50 Specify Species and Route
Sodium Carbonate	40 - 80	479-19-8	TLV 10 mg/m <sup>3</sup> (ACGIH)	Oral LD50 Rat 2,800 mg/kg
Enzyme (protease)	0.2 - 1..2		TLV 0.00006 mg/m <sup>3</sup>	N/A

## SECTION III - PHYSICAL DATA FOR MATERIAL

<b>Physical State</b> Gas [ ] Liquid [ ] Solid [X]	<b>Colour and Appearance</b> White Granular powder	<b>Odour Threshold limit p.</b> NAV	<b>Specific Gravity</b> NAP
<b>Vapour Pressure (mm)</b> NAP	<b>Vapour Density (Air=)</b> NAP	<b>Evaporation Rate</b> NAP	<b>Boiling Point ( C)</b> NAP
<b>Solubility in Water</b> Complete at 25C	<b>% Volatile (by volume)</b> < 10	<b>pH</b> 10.3 - 11.3	<b>Density (gm/ml)</b> 0.78 +/- 0.1
			<b>Coefficient of Oil/ Water Distribution</b> NAV

## SECTION IV - FIRE AND EXPLOSION HAZARD OF MATERIAL

<b>Flammability, If yes under which condition?</b> Yes [ ] No [X]			
<b>Means of extinction</b>			
<b>Special procedures</b>			
<b>Flashpoint ( C) and Method</b> NAV	<b>Upper explosion limit (% by volume)</b> NAV		<b>Lower explosion limit (% by volume)</b> NAV
<b>Auto Ignition Temperature ( C)</b> NAV	<b>TDG Flammability Classification</b> NAP		<b>Hazardous combustion products</b> NAV
<b>Explosion Data</b> Sensitivity to Chemical impact	<b>Rate of Burning</b> NAP	<b>Explosive power</b> NAP	<b>Sensitivity to Static Discharge</b> NAV

## SECTION V - REACTIVITY DATA

<b>Chemical Stability</b> Yes [X] No [ ]	<b>If no, under which condition?</b>
<b>Incompatibility to other substances</b> If so which ones? Yes [ ] No [X]	
<b>Reactivity and under what conditions?</b>	
<b>Hazardous Decomposition Products</b> N/A	

**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 of eyes and nose may occur at very high concentrations. If ingested call Physician immediately.

**Effects of Chronic Exposure to Product**  
Prolonged and repeated exposure may cause eye and skin irritation.

<b>LD 50 of Product (Specify Species and Route)</b> NAV	<b>Irritancy of Product</b> Irritation to eyes and skin	<b>Exposure limits of Product</b> NAV
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<b>LC 50 of Product (Specify Species)</b> NAV	<b>Sensitization to Product</b> NAP	<b>Synergistic materials</b> NAV
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Carcinogenicity     Reproductive effects     Teratogenicity     Mutanogenicity

**SECTION VII - PREVENTIVE MEASURES**

<b>Personal Protective Equipment</b>	<b>Respiratory (Specify)</b> 3M 8233 Mask or equivalent	<b>Eye (Specify)</b> Safety Glasses	<b>Footwear (Specify)</b> Boots, if necessary
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<b>Gloves (Specify)</b> Cloth gloves	<b>Other (Specify)</b> Eye wash fountains are recommended
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**Clothing (Specify)**  
Coveralls

**Engineering Controls (e.g. ventilation, enclosed process, specify)**  
Local exhaust ventilation.

**Leak and Spill Procedure**  
Small amounts should be flushed to sanitary sewers, if permitted by Local/ Provincial Regulations

**Waste Disposal**  
Landfill - Dispose according to appropriate regulations.

**Handling Procedures and Equipment**  
Avoid ingestion & inhalation, wear P.P.E. & avoid generating dust.

**Storage Requirements**  
Store in cool, dry place away from excessive heat. Store between 10 - 48C.

**Special Shipping information**

**SECTION VIII - FIRST AID MEASURES**

**Skin**  
Avoid contact with skin and eyes.

**Eye**  
Wash eyes for 15 minutes immediately after contact and call physician.

**Inhalation**  
Move person to fresh air, if severe contact a physician.

**Ingestion**  
Contact physician immediately

**General advice**  
NAP

**SECTION IX - PREPARATION DATE OF M.S.D.S.**

**Additional Information/ Comments**

The information on this MSDS relates only to specific material designated herein and does not relate to use in combination with any other material or any process.

**Sources used**  
MSDS: General Chemical

<b>Prepared by:</b> Seventh Generation Inc.	<b>Phone number</b> 1-800-456-1191	<b>Date</b> June 3, 2002
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