

MATERIAL SAFETY DATA SHEET

SECTION I - MATERIAL IDENTIFICATION AND USE

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

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	20 - 50	479-19-8	TLV 10 mg/m ³ (ACGIH)	Oral LD50 Rat 2,800 mg/kg
Enzyme (protease / amylase)	0.1 - 1.0		TLV 0.00006 mg/m ³	N/A

SECTION III - PHYSICAL DATA FOR MATERIAL

Physical State Gas [] Liquid [] Solid [X]	Colour and Appearance White Granular powder	Odour Threshold limit p. NAV	Specific Gravity NAP
Vapour Pressure (mm) NAP	Vapour Density (Air=) NAP	Evaporation Rate NAP	Boiling Point (C) NAP
Solubility in Water Complete at 25C	% Volatile (by volume) < 5	pH 9.5 - 10.5	Density (gm/ml) 1.02 +/- 0.1
			Coefficient of Oil/ Water Distribution NAV

SECTION IV - FIRE AND EXPLOSION HAZARD OF MATERIAL

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

SECTION V - REACTIVITY DATA

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

SECTION VI - TOXICOLOGICAL PROPERTIES OF PRODUCT

Route of Entry <input checked="" type="checkbox"/> Skin Contact <input type="checkbox"/> Skin Absorption <input checked="" type="checkbox"/> Eye Contact <input checked="" type="checkbox"/> Inhalation Acute <input type="checkbox"/> Inhalation Chronic <input checked="" type="checkbox"/> 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.

LD 50 of Product (Specify Species and Route) NAV	Irritancy of Product Irritation to eyes and skin	Exposure limits of Product NAV
LC 50 of Product (Specify Species) NAV	Sensitization to Product NAP	Synergistic materials NAV

<input type="checkbox"/> Carcinogenicity <input type="checkbox"/> Reproductive effects <input type="checkbox"/> Teratogenicity <input type="checkbox"/> Mutanogenicity
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SECTION VII - PREVENTIVE MEASURES
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Personal Protective Equipment	Respiratory (Specify) 3M 8233 Mask or equivalent	Eye (Specify) Safety Glasses	Footwear (Specify) Boots, if necessary
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Gloves (Specify) Cloth gloves	Other (Specify) Eye wash fountains are recommended
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Clothing (Specify) Coveralls
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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
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Waste Disposal Landfill - Dispose according to appropriate regulations.

Handling Procedures and Equipment Avoid ingestion & inhalation, wear P.P.E. & avoid generating dust.
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Storage Requirements Store in cool, dry place away from excessive heat. Store between 10 - 48C.

Special Shipping information

SECTION VIII - FIRST AID MEASURES
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Skin Avoid contact with skin and eyes.
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Eye Wash eyes for 15 minutes immediately after contact and call physician.
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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.
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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.
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Sources used MSDS: General Chemical

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