

MATERIAL SAFETY DATA SHEET

SECTION I – MATERIAL IDENTIFICATION AND USE

Material Name: Automatic Dishwasher Gel, Green Apple			
Manufacturer's Name Seventh Generation, Inc.		Street Address 60 Lake Street	
City Burlington	State VT	Zip Code 05401-5281	EMERGENCY TELEPHONE NO. 800-456-1191
Chemical Name NAP	Chemical Family NAP	Chemical Formula NAP	
Molecular Weight NAP	Trade Name and Synonym NAP	Material Use Automatic dishwashing	

SECTION II – INGREDIENTS OF MATERIAL

WHMIS Class D2B

Ingredient Name	Concentration (%)	CAS Number	Exposure Limits	Toxicity Data LD ₅₀ (oral, rat)
Water, Soft	30-100	7732-18-5	NAV	NAV
Sodium Silicate	10-30	1344-09-8	10 mg/cu.m.	1,280 mg/kg
Sodium Polyacrylate	3-10	9003-0407	NAV	>5,000 mg/kg
Sodium Citrate	3-10	68-04-2	NAV	3,000 mg/kg
PPG-6 C12-15 Pareth-12 (Surfonic P1)	3-10	68439-51-0	NAV	3,530 mg/kg
Sodium Carbonate	0.3-3	479-19-8	10 mg/cu.m.	2,800 mg/kg
Xanthan Gum	0.3-3	11138-66-2	10 mg/cu.m.	>45,000 mg/kg
Synthetic Fragrance	<0.3	NAV	NAV	NAV
Hexahydro-1,3,5,-Tris(2-hydroxyethyl)-s-triazine	<0.05	4719-04-4	NAP	535 mg/kg

SECTION III – PHYSICAL DATA FOR MATERIAL

Physical State [] Solid [X] Liquid	Color and Appearance Viscous, milky white liquid		Odor Threshold Limit NAP	Specific Gravity Approx. 1.14
Vapor Pressure (mm) As water	Vapor Density (Air=1) As water	Evaporation Rate As water	Boiling Point As water	Freezing Point As water
Solubility in Water Miscible	Percent Volatiles 30-100% (Water)	pH 11.5 – 12.0	Density (g/cc) 1.14	Coef. Of Oil/Water Distribution: NAV

SECTION IV – FIRE AND EXPLOSION HAZARD OF MATERIAL

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

SECTION V – REACTIVITY DATA

Chemically Stable? If no, under what conditions? Yes [X] No []				
Incompatible with other substances? If yes, which ones? Yes [X] No [] Avoid contact with strong acids.				
Reactivity, and under what conditions? Not reactive				
Hazardous Decomposition Products NAP				

Material Name Automatic Dishwasher Gel, Green Apple		
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 type="checkbox"/> Inhalation, Acute <input type="checkbox"/> Inhalation, Chronic <input checked="" type="checkbox"/> Ingestion		
Effects of Acute Exposure to Product Irritation to eyes may result.		
Effects of Chronic Exposure to Product Prolonged and repeated exposure may cause eye irritation or skin irritation.		
LD ₅₀ of Product NAV	Irritancy of Product May cause irritation to eyes.	Exposure Limits of Product NAV
LC ₅₀ of Product NAV	Sensitization to Product NAV	Synergistic Materials NAV
Chronic Toxicities <input type="checkbox"/> Carcinogenic <input type="checkbox"/> Reproductive Toxin <input type="checkbox"/> Teratogenic <input type="checkbox"/> Mutagenic		
SECTION VII – PREVENTATIVE MEASURES		
Personal Protective Equipment	Respiratory NAP	Eye NAP
Gloves NAP	Other NAP	
Footwear 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 Rinse skin with cold water immediately after contact.		
Eyes Wash eye with water immediately after contact. Call a physician if irritation persists.		
Inhalation NAP		
Ingestion Drink a glass of water. If prolonged nausea or pain occurs 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
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