

MATERIAL SAFETY DATA SHEET

SECTION I – MATERIAL IDENTIFICATION AND USE

Material Name:

Automatic Dishwasher Gel, Lemon

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	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 P-1)	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
Medica limonum peel (lemon)	<0.3	NAV	NAV	NAV
Citrus aurantifolia (lime)	<0.3	NAV	NAV	NAV

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
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

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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

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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	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 Avoid contact with skin. Rinse thoroughly with water if contact occurs.			
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 8 July 2008	
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