

MATERIAL SAFETY DATA SHEET

SECTION I - MATERIAL IDENTIFICATION AND USE

Material Name Chlorine-Free Bleach				
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 Household cleaning		

SECTION II - INGREDIENTS OF MATERIAL

WHMIS Class D2B

Ingredient Name	Concentration (%)	CAS Number	Exposure Limits	Toxicity Data LD ₅₀ (oral, rat)
Cosmetic Grade Peroxide	3.5-4.5	7722-84-1	NAP	4060 mg/kg

SECTION III - PHYSICAL DATA FOR MATERIAL

Physical State [] Solid [X] Liquid	Color and Appearance Clear liquid	Odor Threshold Limit NAP	Specific Gravity As water
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	pH 2.8-4.5	Density (g/cc) 1.0
		Freezing Point As water	
		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 [] Stable under normal conditions.
Incompatible with other substances? If yes, which ones? Yes [X] No [] Will decompose in the presence of metals, caustics, and excessive heat.
Reactivity, and under what conditions? Not reactive under normal conditions.
Hazardous Decomposition Products None. Decomposes to release oxygen and water.

Material Name Chlorine-Free Bleach			
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 occur.			
Effects of Chronic Exposure to Product Prolonged and repeated exposure may cause eye irritation.			
LD ₅₀ of Product 4060 mg/kg (oral, rat)	Irritancy of Product May cause irritation to eyes.	Exposure Limits of Product NAP	
LC ₅₀ of Product 2000 mg/m ³ (inhalation, rat)	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 <input checked="" type="checkbox"/> None known			
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 and wash with 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 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	
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