

**Seventh Generation**  
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**MATERIAL SAFETY DATA SHEET**

**SECTION 1**

CHEMICAL FAMILY: Water Hydrogen Peroxide Solution  
 CHEMICAL FORMULA: Not applicable  
 MOLECULAR WEIGHT: Not applicable  
 TRADE NAME/SYNONYM: **Seventh Generation's " Non Chlorine Bleach"**  
 MATERIAL USE: Laundry Bleach  
**FLAMMABILITY-** 0  
**REACTIVITY-** 0  
**HEALTH-** 1 (if ingested & untreated)  
**PERSONAL PROTECTION-** 0

**SECTION 2 Hazardous ingredients of material**

INGREDIENT	Concentration	CAS #	Exposure Limits	
			LD50	LC50
Hydrogen Peroxide	3.5%	7722-84-1	>700mg/kg (75% H2O2)	>2000 4 Hrs, rat, (90% H2O2)

**SECTION 3 Physical data for material**

PHYSICAL STATE: LIQUID  
 ODOUR/APPEARANCE: CLEAR WATER WHITE LIQUID  
 ODOUR THRESHOLD (ppm): None Established  
 SPECIFIC GRAVITY: 1.01  
 VAPOUR PRESSURE(mm): Not applicable  
 VAPOUR DENSITY(air =1): Not applicable  
 EVAPORATION RATE AS WATER: Approximately 1  
 BOILING POINT: 100 DEG C.  
 FREEZING POINT: 0 DEG. C.  
 SOLUBILITY IN WATER: COMPLETE AND RAPID AT 20 DE G C.  
 % VOLATILE BY VOLUME: 96.5%  
 PH: 4.0 -- 4.5  
 COEFFICIENT OF WATER TO OIL DISTRIBUTION: Not Applicable

**SECTION 4 Fire and explosion hazard**

FLAMMABILITY Y/N: Not applicable  
 FLAMMABLE-CONDITIONS: Not applicable  
 MEANS OF EXTINCTION AS WATER: Not applicable  
 SPECIAL PROCEDURES: NONE  
 FLASHPOINT DEG. C. AND METHOD: Not applicable  
 UPPER EXPLOSION LIMITS (%BY VOLUME): Not applicable  
 LOWER EXPLOSION LIMITS(%BY VOLUME): Not applicable  
 AUTO IGNITION TEMP. (DEG. C.): Not applicable  
 TDG FLAMMABILITY CLASSIFICATION: Not applicable  
 HAZARDOUS COMBUSTION PRODUCTS: Not applicable

EXPLOSION SENSITIVITY TO CHEM. IMPACT	Not applicable
RATE OF BURNING	Not applicable
EXPLOSIVE POWER	Not applicable
SENSITIVITY TO STATIC DISCHARGE	Not applicable

**SECTION 5**

**Reactivity data**

CHEM. STABILITY/N CONDITIONS	Y/STABLE UNDR NORMAL CONDITIONS
INCOMPATIBILITY Y/N	HEAVY METALS, REDUCING AGENTS, DIRT AND ORGANIC OXIDIZERS.
REACTIVITY	AVOID CONTAMINATION OF ANY KIND OR MIXING WITH ORGANIC MATERIALS.
HAZARDOUS DECOMPOSITION PRODUCTS	NONE AT THIS LOW CONCENTRATION

**SECTION 6**

**TOXICOLOGICAL PROPERTIES**

ROUTE OF ENTRY SKIN CONTACT Y/N	YES
ROUTE OF ENTRY SKIN ABSORPTION	YES
ROUTE OF ENTRY EYE CONTACT Y/N	YES
ROUTE OF ENTRY INHALATION ACUTE Y/N	NO
ROUTE OF ENTRY INHALATION CHRONIC Y/N	NO
ROUTE OF ENTRY INGESTION Y/N	YES
EFFECT OF ACUTE EXPOSURE	
<b>EYE CONTACT –</b>	WILL CAUSE MODERATE IRRITATION
<b>INGESTION</b>	MAY CAUSE STOMACH CRAMPS AND VOMITING.
EFFECTS OF CHRONIC EXPOSURE	NONE KNOWN
LD/50 SPECIES ROUTE OF ENTRY	NOT KNOWN
IRRITANCY OF PRODUCT	EYE IRRITANT, AND MILD SKIN IRRITANT
EXPOSURE LIMITS	NONE KNOWN
LC/50 SPECIES ROUTE ENTRY	NOT KNOWN
SENSITIZATION TO PRODUCT	NONE KNOWN
SYNERGIST MATERIALS	Not applicable
CARCINOGENICITY Y/N	NO
REPRODUCTIVE EFFECTS Y/N	NO
MUTAGENICITY Y/N	NO

**SECTION 7**

**Preventative measures**

PERSONAL PROTECTIVE EQUIPMENT	EYE PROTECTION
GLOVES (SPECIFY)	Not applicable
RESPIRATION (SPECIFY)	Not applicable
EYE (SPECIFY) GOGGLES REQ'D IF SPLASHING IS ANTICIPATED	
FOOTWEAR (SPECIFY)	Not applicable
OTHER (SPECIFY)	Not applicable
ENGINEERING CONTROLS	NORMAL EXHAUST VENTILATION
LEAK AND SPILL PROCEDURE	FLUSH WITH WATER
WASTE DISPOSAL	DISPOSE IN ACCORDANCE WITH LOCAL, STATE, PROVINCIAL, AND FEDERAL REGULATIONS.
HANDLING PROCEDURES/EQUIP.	AVOID CONTACT WITH EYES
STORAGE REQUIREMENTS	PREVENT FREEZING

**SECTION 8**

**First aid measures**

SKIN	WASH WITH WATER Use a Hand cream if Hyper sensitive
EYE CONTACT	HOLD EYES OPEN AND FLUSH WITH PLENTY OF WATER.
IF SWALLOWED	DRINK 2-3 GLASSES OF WATER AND SEE A DOCTOR.
ADDITIONAL NOTES:	LOW ORDER OF TOXICITY AT 3.5% hydrogen peroxide

**SECTION 9**

**Preparation of m.s.d.s.**

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Robert A. Bullard B.Sc.

On behalf of Seventh Generation

Disclaimer All information, recommendations, and suggestions appearing herein concerning our product are based upon tests, information, and data as supplied to us by our raw material suppliers which is believed to be reliable. However it is the user's responsibility to determine the safety and suitability for their own use. **Since the actual use by the end user is beyond our control.** No guarantee express or implied is made by Seventh Generation as to the effects of such use or the results obtained, nor does Seventh Generation assume any liability arising out of use by others of the referred to product. The information is not construed to be absolute since additional information may be necessary or desirable when particular or exceptional circumstances may exist, or because of applicable laws or government regulations which may change without notice.