


MATERIAL SAFETY DATA SHEET

PRODUCT NAME: H2ORANGE2 ONE RTU		DATE: October 28, 2011					
PRODUCT NUMBER: 120							
SECTION 6 - ACCIDENTAL RELEASE MEASURES							
STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:							
Flush spill area with copious amounts of water to sanitary sewer. Product is completely biodegradable!							
SECTION 7 - HANDLING AND STORAGE							
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:							
Store indoors. Store away from strong reducing agents.							
SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION							
HAZARDOUS COMPONENTS	NIOSH			ACGIH		OSHA	
	TWA ppm	TWA mg/m3	STEL ppm	STEL mg/m3	TLV/TWA ppm	TWA mg/m3	TWA ppm
Hydrogen Peroxide	1	1.4	75 IDLH		1		1
PERSONAL PROTECTION							
RESPIRATORY PROTECTION:							
Local Exhaust Ventilation is usually OK. NIOSH/OSHA approved respirators may be used if respiratory irritation occurs.							
PROTECTIVE GLOVES:							
Impervious protective gloves are suggested - especially for sustained contact.							
EYE PROTECTION:							
Safety glasses with side shields are recommended where a splash hazard exists.							
OTHER PROTECTIVE CLOTHING OR EQUIPMENT:							
Not generally required. Where a splash hazard exists, the use of a rubber apron is advisable as a matter of good practice.							
WORK / HYGIENIC PRACTICES:							
Wash hands with soap and water after contact. Use emollient cleanser for mild dryness of skin.							
SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES							
APPEARANCE AND ODOR				VAPOR PRESSURE			
Clear Liquid with Citrus Odor.				NE			
pH				SPECIFIC GRAVITY (WATER = 1)			
3.5-4.5				Slightly greater than 1			
BOILING POINT / BOILING RANGE				SOLUBILITY IN WATER			
-212°F				Soluble or miscible.			
FLASH POINT				VISCOSITY			
None - product may be considered non-flammable				NA			
FLAMMABLE LIMITS				VAPOR DENSITY (AIR = 1)			
LEL: NA UEL: NA				NA			
AUTOIGNITION TEMPERATURE				EVAPORATION RATE (WATER = 1)			
NA				NA			
SECTION 10 - STABILITY AND REACTIVITY							
STABILITY		STABLE		X		CONDITIONS TO AVOID:	
						Extreme heat or open flame.	
INCOMPATIBILITY (MATERIALS TO AVOID):							
Strong oxidizers, alkalis							
HAZARDOUS DECOMPOSITION OR BYPRODUCTS:							
None known							
HAZARDOUS POLYMERIZATION:				CONDITIONS TO AVOID:			
Will not occur.				None related to polymerization.			
SECTION 11 - TOXICOLOGICAL INFORMATION							
Hazardous Components		CAS # EINECS #		LD50 of Ingredient (Specify Species and Route)		LC50 of Ingredient (Specify Species)	
Hydrogen Peroxide		7722-84-1 NR		Oral, rat: LD50 = 376 mg/kg; Oral, mouse: LD50 = 2000 mg/kg		Inhalation, rat: LC50 = 2000 mg/m3	
No ecological information is available for this blended product , it is known to be biodegradable however based on the ingredients used in its manufacture.							
SECTION 13 - DISPOSAL CONSIDERATIONS							
WASTE DISPOSAL METHOD:							
Biodegradable product may be flushed to sewage treatment facility or landfill. Dispose of container according to State, Federal and Local laws.							

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SECTION 14 - TRANSPORT INFORMATION			
PROPER SHIPPING NAME: Cleaning Solution not regulated.			
DOT HAZARD CLASS / Pack Group: Not regulated		IATA HAZARD CLASS / Pack Group: Not regulated.	
REFERENCE: None		IMDG HAZARD CLASS: Not regulated	
UN / NA IDENTIFICATION NUMBER: None		RID/ADR Dangerous Goods Code: None	
LABEL: None		UN TDG Class / Pack Group:	
HAZARD SYMBOLS: None		Hazard Identification Number (HIN): None	
<p>Note: Transportation information provided is for reference only. Client is urged to consult CFR 49 parts 100 - 177, IMDG, IATA, EU, United Nations TDG, and WHMIS (Canada) TDG information manuals for detailed regulations and exceptions covering specific container sizes, packaging materials and methods of shipping.</p>			
SECTION 15 - REGULATORY INFORMATION			
TSCA (USA - Toxic Substance Control Act):		All components are listed.	
SARA TITLE III (USA - Superfund Amendments and Reauthorization Act):			
Acute Health: Yes		Chronic Health: No	
Fire: No		Sudden Release of Pressure: No	
Reactive: No			
313 REPORTABLE INGREDIENTS: None			
CERCLA (USA - Comprehensive Response Compensation and Liability Act):		No	
California Prop 65, Safe Drinking Water and Toxic Enforcement Act of 1986:		No	
CPR (Canadian Controlled Products Regulations):		Referenced.	
IDL (Canadian Ingredient Disclosure List):		Listed.	
DSL / NDSL (Canadian Domestic Substances List / Non-Domestic Substances List):		Listed on DSL.	
WGK Water Quality Index: 1			
SECTION 16 - OTHER INFORMATION			
Legend: NA=Not Available, NE= Not Established, ND= Not determined, C= Carcinogen, NTP= National Toxicology Program.			
HMIS HAZARD RATINGS		HEALTH: 1	
		FLAMMABILITY: 0	
		PHYSICAL HAZARD: 0	
		PERSONAL PROTECTIVE EQUIPMENT: B*	
		0 = INSIGNIFICANT	
		1 = SLIGHT	
		2 = MODERATE	
		3 = HIGH	
		4 = EXTREME	
<i>*Gloves and Safety Glasses are recommended but not required</i>			
REVISION SUMMARY:			
Authored to ANSI. protocols 10/28/2011.LB			
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<p>The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstances of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Any questions regarding this product should be directed to the manufacturer of the product as described in Section 1.</p>			