

# MATERIAL SAFETY DATA SHEET

(COMPLIES WITH 29CFR 1910.1200)

<b>SECTION I - CHEMICAL PRODUCT &amp; COMPANY IDENTIFICATION</b>	
<b>Identity (As Used on Label and List):</b> ECO <sub>2</sub> <b>Product Class:</b> Water-based Hydrogen Peroxide Carpet Cleaner. <b>Emergency Telephone Number:</b> 800-255-3924 <b>Telephone Number for Information:</b> 800-950-1975 <b>Manufactured By:</b> Multi-Clean 600 Cardigan Road Shoreview, MN 55126	
<b>SECTION II - COMPOSITION/INFORMATION ON INGREDIENTS</b>	
<b>Hazardous Components (Specific Chemical Identity):</b>	
<b>Chemical</b>	<b>Common Name(s)</b>
A	Hydrogen Peroxide CAS #7722-84-1
B	Ethoxylated Alcohols CAS # (34398-01-1)
C	Emulsified Acrylic Polymers CAS # (Proprietary)
D	Water CAS #7732-18-5
	%
	1-5
	1-5
	10-30
	60 - 100
<b>SECTION III - HAZARDS IDENTIFICATION</b>	
<b>Emergency Overview</b>	
<b>Appearance and Odor:</b> Milky White Liquid, Citrus Fragrance.	
<b>Primary Hazards:</b> Irritant	
<b>Potential Health Hazards</b>	
<b>Route(s) of Entry:</b> Skin Absorption: Ingestion: X Inhalation:	
<b>Eye:</b> Irritant, may cause moderate eye damage.	
<b>Skin:</b> May cause irritation on contact. May turn skin white (which is temporary).	
<b>Ingestion:</b> Irritating to the mouth and throat. May cause upset stomach.	
<b>Inhalation:</b> No hazardous vapors.	
<b>Signs and Symptoms of Exposure:</b> Irritation on direct contact.	
<b>Carcinogenicity:</b> NTP? No <b>IARC Monographs?</b> No	
<b>OSHA Regulated?</b> No	
<b>Target Organ (s):</b> No additional data	
<b>Medical Conditions Generally Aggravated by Exposure:</b> N. Av.	
<b>Health Hazards, Chronic:</b> N. Av.	
<b>SECTION IV - FIRST AID MEASURES</b>	
<b>Emergency and First Aid Procedures:</b>	
<b>If Swallowed:</b> If a person can swallow, give several glasses of water. Do not induce vomiting. Obtain immediate medical attention. <b>Eye Contact:</b> Flush eyes with running water for at least 15 minutes. Obtain immediate medical attention. <b>Skin Contact:</b> Flush with cool water. Remove and wash contaminated clothing before reuse. <b>For Inhalation:</b> Remove to fresh air. If irritation persists, get medical attention.	
<b>Sources Used:</b> Raw material data, general toxicology from the trade for similar products.	
<b>SECTION V - FIRE FIGHTING MEASURES</b>	
<b>Flammability:</b> No <b>Autoignition Temperature:</b> N. Av.	
<b>Flash Point (method used):</b> None	
<b>Flammable Limits:</b> N. Av. LEL UEL	
<b>Extinguishing Media:</b> N. Av.	
<b>Water?</b> x <b>Foam?</b> <b>Water Fog?</b>	
<b>Alcohol Foam?</b> <b>CO<sub>2</sub>?</b> x <b>Dry Chemical?</b> x	
<b>Vaporizing Liquid?</b> <b>Other?</b>	
<b>Special Fire Fighting Procedures:</b> N. Av.	
<b>Unusual Fire and Explosion Hazards:</b> N. Av.	
<b>TDG Flammability Classification:</b> Non-flammable	
<b>Sensitivity to Mechanical Impact:</b> None	
<b>Sensitivity to Static Discharge:</b> None	
<b>SECTION VI - ACCIDENTAL RELEASE MEASURES</b>	
<b>Steps to be Taken in Case Material is Released or Spilled:</b>	
Dike and contain spill with inert material (sand, earth, etc). DO NOT use combustible absorbents. If spilled on wooden floor or other combustible material, flush with water. Thoroughly rinse affected area with water.	
<b>SECTION VII - HANDLING AND STORAGE</b>	
<b>Precautions to be Taken in Handling and Storing:</b>	
Normal care in handling and storage. Do not store near strong reducing agents or heat.	
<b>Other Precautions:</b> Keep out of reach of children. Keep from freezing.	
<b>SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION</b>	
<b>Respiratory Protection (Specify Types):</b> Not required	
<b>Ventilation:</b> Local Exhaust: Not required <b>Special:</b> Not required	
<b>Mechanical (General):</b> Normal good ventilation sufficient.	
<b>Other:</b> Not required	
<b>Protective Gloves:</b> Natural rubber or synthetic.	
<b>Eye Protection:</b> Approved safety goggles or glasses. <b>Footwear:</b> Not required	
<b>Other Protective Clothing or Equipment:</b> Not required	
<b>Work/Hygienic Practices:</b> Do not contaminate food or beverages with cleaning chemicals.	

<b>SECTION IX - PHYSICAL/CHEMICAL CHARACTERISTICS</b>					
<b>Boiling Point:</b> Approximately 212°F		<b>pH:</b> 5.0-6.0 (Concentrated)			
<b>Specific Gravity (H<sub>2</sub>O) = 1:</b> 1.04		<b>% Volatile:</b> >90%			
<b>Vapor Density (Air = 1):</b> > 1		<b>Odor Threshold:</b> N. Av.			
<b>Evaporation Rate (Butyl Acetate = 1):</b> N. Av.		<b>Oil/Water Distribution</b>			
<b>Solubility in Water:</b> Complete		<b>Coefficient:</b> N. Av.			
<b>Vapor Pressure (MM HG):</b> N. Av.					
<b>Melting Point:</b> N. Av.					
<b>SECTION X - STABILITY AND REACTIVITY</b>					
<b>Stability:</b> Unstable: Stable: X					
<b>Conditions to Avoid:</b> None Known.					
<b>Incompatibility (materials to avoid):</b> Strong Reducing Agents, Strong Alkalies. Sunlight					
<b>Hazardous Decomposition or By-products:</b> N. Av.					
<b>Hazardous Polymerization:</b> May occur:		<b>Will not occur:</b> X			
<b>Conditions to Avoid:</b> N. Av.					
<b>SECTION XI - TOXICOLOGICAL INFORMATION</b>					
<b>Chemical</b>	<b>OSHA PEL</b>	<b>ACGIH TLV</b>	<b>Recom.</b>	<b>LD50</b>	<b>LC50</b>
A	1 ppm	1 ppm	N. Av.	>2,000 mg/kg (mouse)	1,437.ppm (4 hours, rat)
B		10 mg/m3		1378 mg/kg (rat, Oral)	N. Av.
C	None	None	N. Av.	N. Av.	N. Av.
D	None	None	N. Av.	N. Av.	N. Av.
<b>Teratogen, Mutagen, Reproductive Toxin Status:</b> No					
<b>Toxicologically Synergistic Products:</b> N. Av.					
<b>SECTION XII - ECOLOGICAL INFORMATION</b>					
<b>Ecotoxicological Information:</b> N. Av.					
<b>Chemical Fate Information:</b> N. Av.					
<b>SECTION XIII - DISPOSAL CONSIDERATIONS</b>					
<b>Waste Disposal Method:</b>					
Neutralize and dispose of spilled material in accordance with local, state and federal regulations. Waste from normal cleaning procedures may be sewered, depending on the materials and/or contaminants being cleaned as well as state, federal and local sewer commission regulations.					
<b>RCRA Hazard Class:</b> None					
<b>SECTION XIV - TRANSPORT INFORMATION</b>					
<b>Shipping Classification:</b> Compound, cleaning liquid, N.O.I.					
<b>UN Number:</b> N. Av.					
<b>Packing Group:</b> N. Av.					
<b>SECTION XV - PREPARATION DATA</b>					
<b>Prepared By:</b> Mike Elms					
<b>Telephone Number:</b> 651-481-1900					
<b>Date:</b> 12-09					
<b>SECTION XVI - REGULATORY INFORMATION</b>					
<b>US Federal Regulations</b>					
<b>TSCA Status:</b> All ingredients listed.					
<b>CERCLA Reportable Quality:</b> None					
<b>SARA Title III</b>					
<b>Section 302 Extremely Hazardous Chemicals:</b> None					
<b>Section 311/312 Hazard Category:</b> Immediate health hazard					
<b>Section 313 Toxic Chemicals:</b> None					
<b>State Regulations</b>					
<b>International Regulations</b>					
<b>WHMIS Controlled Product Hazard Class:</b> N. Av.					
<b>SECTION XVII - OTHER INFORMATION</b>					
None					
N. Av. - Not Applicable; N. Av. - Not Available					

**NFPA SYSTEM**  
1 A. Health Hazard      0 A. Fire Hazard      1 A. Reactivity Hazard

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