

# MATERIAL SAFETY DATA SHEET

(COMPLIES WITH 29CFR 1910.1200)

<b>SECTION I - CHEMICAL PRODUCT &amp; COMPANY IDENTIFICATION</b>		
Identity (As Used on Label and List): 103 Take-Out Product Class: Water-based carpet cleaner Emergency Telephone Number: 800-255-3924 Telephone Number for Information: 651-481-1900 Manufacturer's Name and Address: Multi-Clean® 600 Cardigan Road Shoreview, MN 55126		
<b>SECTION II - COMPOSITION/INFORMATION ON INGREDIENTS</b>		
Hazardous Components (Specific Chemical Identity):		
Chemical	Common Name(s)	%
A	Dipropylene glycol methyl ether CAS #34590-94-8	25 - 50
B	Propylene glycol n-butyl ether CAS #5131-66-8	1 - 5
C	Proteolytic enzymes CAS #NA	.5 - 1.5
D	Water CAS #7732-18-5	30 - 60
<b>SECTION III - HAZARDS IDENTIFICATION</b>		
Emergency Overview		
Appearance and Odor: Red liquid, floral aroma. Primary Hazards: Irritant		
Potential Health Hazards		
Route(s) of Entry:	Skin Absorption: X	Ingestion: Inhalation: X
Eye:	May cause irritation on contact.	
Skin:	May cause irritation on contact.	
Ingestion:	May be harmful if swallowed.	
Inhalation:	Overexposure to vapors may be harmful.	
Signs and Symptoms of Exposure: Irritation on direct contact.		
Carcinogenicity:	NTP? No	IARC Monographs? No
OSHA Regulated? No		
Target Organ (s): Skin, eyes, respiratory system. Gross overexposure to vapors may affect central nervous system, liver and kidneys.		
Medical Conditions Generally Aggravated by Exposure: Certain individuals may develop an allergic reaction on repeated contact with enzymes.		
Health Hazards, Chronic: Overexposure to chemical A or its components has apparently been found to cause the following effects in laboratory animals, liver abnormalities and kidney damage.		
<b>SECTION IV - FIRST AID MEASURES</b>		
Emergency and First Aid Procedures:		
If Swallowed: Drink water in large amounts and call a physician immediately. Never give anything by mouth to an unconscious person. Eye Contact: Flush eyes with running water for at least 15 minutes. If irritation persists, obtain medical attention. Skin Contact: Flush thoroughly with cool water. Remove and wash contaminated clothing before reuse.		
Sources Used: Raw material data, general toxicology from the trade for similar products.		
<b>SECTION V - FIRE FIGHTING MEASURES</b>		
Flammability:	No	Autoignition Temperature: N. Ap.
Flash Point (method used):	None	
Flammable Limits:	N. Ap.	LEL UEL
Extinguishing Media	N. Ap.	
Water?	Foam?	Water Fog?
Alcohol Foam?	CO <sub>2</sub> ?	Dry Chemical?
Vaporizing Liquid?	Other?	
Special Fire Fighting Procedures:	N. Ap.	
Unusual Fire and Explosion Hazards:	N. Av.	
TDG Flammability Classification:	Non-flammable	
Sensitivity to Mechanical Impact:	None	
Sensitivity to Static Discharge:	None	
<b>SECTION VI - ACCIDENTAL RELEASE MEASURES</b>		
Steps to be Taken in Case Material is Released or Spilled: Dike and contain spill with inert material (sand, earth, etc). Collect spill with mop, absorbent material (example: floor-dri) or vacuum. Thoroughly rinse affected area with water.		
<b>SECTION VII - HANDLING AND STORAGE</b>		
Precautions to be Taken in Handling and Storing: Normal care in handling and storage.		
Other Precautions: Keep out of reach of children. Keep from freezing.		
<b>SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION</b>		
Respiratory Protection (Specify Types): Dust/mist respirator recommended if spraying product.		
Ventilation:	Local Exhaust: Not required	Special: Not required
Mechanical (General):	Ventilate to keep vapor levels below TLV & PEL.	
Other:	Not required	
Protective Gloves:	Natural rubber or synthetic.	
Eye Protection:	Approved safety goggles or glasses.	
Footwear:	Not required	
Other Protective Clothing or Equipment:	Not required	
Work/Hygienic Practices:	Do not breath spray or mist.	

<b>SECTION IX - PHYSICAL/CHEMICAL CHARACTERISTICS</b>					
Boiling Point:	Approximately 212°F (100°C)	pH:	10		
Specific Gravity (H <sub>2</sub> O) = 1:	1.024	% Volatile:	> 80		
Vapor Density (Air = 1):	N. Av.	Odor Threshold:	N. Av.		
Evaporation Rate (Butyl Acetate = 1):	N. Av.	Oil/Water Distribution			
Solubility in Water:	Complete	Coefficient:	N. Av.		
Vapor Pressure (MM HG):	N. Av.				
Melting Point:	N. Ap.				
<b>SECTION X - STABILITY AND REACTIVITY</b>					
Stability:	Unstable:	Stable:	X		
Conditions to Avoid:	N. Ap.				
Incompatibility (materials to avoid):	N. Av.				
Hazardous Decomposition or By-products:	N. Av.				
Hazardous Polymerization:	May occur:	Will not occur:	X		
Conditions to Avoid:	N. Ap.				
<b>SECTION XI - TOXICOLOGICAL INFORMATION</b>					
Chemical	OSHA PEL	ACGIH TLV	Recom.	LD50	LC50
A	100 ppm (skin)	100 ppm (skin)	N. Av.	5.6 ml/kg (rat, oral)	33,000 ppm
B	None	None	N. Av.	3,300 mg/kg (rat, oral)	N. Av.
C	None	None	N. Av.	N. Av.	N. Av.
D	None	None	N. Av.	N. Av.	N. Av.
Teratogen, Mutagen, Reproductive Toxin Status: N. Av.					
Toxicologically Synergistic Products: N. Av.					
<b>SECTION XII - ECOLOGICAL INFORMATION</b>					
Ecotoxicological Information: N. Av.					
Chemical Fate Information: N. Av.					
<b>SECTION XIII - DISPOSAL CONSIDERATIONS</b>					
Waste Disposal Method: Dispose of spilled material in accordance with local, state and federal regulations. Waste from normal cleaning procedures may be sewerred, depending on the materials and/or contaminants being cleaned as well as state, federal and local sewer commission regulations.					
RCRA Hazard Class: None					
<b>SECTION XIV - TRANSPORT INFORMATION</b>					
Shipping Classification: Compound, cleaning liquid, N.O.I.					
UN Number: N. Ap.					
Packing Group: N. Ap.					
<b>SECTION XV - PREPARATION DATA</b>					
Prepared By: Ron Camp					
Telephone Number: 651-481-1900					
Date: 4-12					
<b>SECTION XVI - REGULATORY INFORMATION</b>					
US Federal Regulations					
TSCA Status: All ingredients listed.					
CERCLA Reportable Quality: None					
SARA Title III					
Section 302 Extremely Hazardous Chemicals: None					
Section 311/312 Hazard Category: Immediate health, chronic health.					
Section 313 Toxic Chemicals: None					
State Regulations					
International Regulations					
WHMIS Controlled Product Hazard Class: D2B					
<b>SECTION XVII - OTHER INFORMATION</b>					
None					
N. Ap. - Not Applicable; N. Av. - Not Available					

## NFPA SYSTEM

2 A. Health Hazard      0 A. Fire Hazard      0 A. Reactivity Hazard

THE INFORMATION CONTAINED HEREIN IS BASED ON DATA CONSIDERED ACCURATE, HOWEVER NO WARRANTY IS EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THESE DATA OR THE RESULTS TO BE OBTAINED FROM THE USE THEREOF. MINUTEMAN INTERNATIONAL, INC. ASSUMES NO RESPONSIBILITY FOR PERSONAL INJURY OR PROPERTY DAMAGE TO VENDEES, USERS OR THIRD PARTIES CAUSED BY THE MATERIAL. SUCH VENDEES OR USERS ASSUME ALL RISKS ASSOCIATED WITH THE USE OF THE MATERIAL.