

MATERIAL SAFETY DATA SHEET

(COMPLIES WITH 29CFR 1910.1200)

SECTION I - CHEMICAL PRODUCT & COMPANY IDENTIFICATION Identity (As Used on Label and List): Carpet Spotter 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															
SECTION II - COMPOSITION/INFORMATION ON INGREDIENTS Hazardous Components (Specific Chemical Identity): <table border="1"><thead><tr><th>Chemical</th><th>Common Name(s)</th><th>%</th></tr></thead><tbody><tr><td>A</td><td>Dipropylene Glycol Methyl Ether CAS #34590-94-8</td><td>1 - 5</td></tr><tr><td>B</td><td>Propylene Glycol n-Butyl Ether CAS #5131-66-8</td><td>1 - 5</td></tr><tr><td>C</td><td>Diethylene Glycol Monobutyl Ether CAS #112-34-5</td><td>1 - 5</td></tr><tr><td>D</td><td>Water CAS #7732-18-5</td><td>80 - 100</td></tr></tbody></table>	Chemical	Common Name(s)	%	A	Dipropylene Glycol Methyl Ether CAS #34590-94-8	1 - 5	B	Propylene Glycol n-Butyl Ether CAS #5131-66-8	1 - 5	C	Diethylene Glycol Monobutyl Ether CAS #112-34-5	1 - 5	D	Water CAS #7732-18-5	80 - 100
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SECTION III - HAZARDS IDENTIFICATION Emergency Overview Appearance and Odor: Blue/green liquid, fresh aroma. Primary Hazards: Irritant Potential Health Hazards Route(s) of Entry: Skin Absorption: Ingestion: X 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: N. Av. 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.															
SECTION IV - FIRST AID MEASURES Emergency and First Aid Procedures: If Swallowed: If person can swallow, give several glasses of water. Get immediate medical attention. 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. Inhalation: Remove to fresh air. If irritation persists, get medical attention. Sources Used: Raw material data, general toxicology from the trade for similar products.															
SECTION V - FIRE FIGHTING MEASURES Flammability: No Autoignition Temperature: N. Ap. Flash Point (method used): None Flammable Limits: N. Ap. LEL UEL Extinguishing Media: N. Ap. <table border="1"><thead><tr><th>Water?</th><th>Foam?</th><th>Water Fog?</th></tr></thead><tbody><tr><td>Alcohol Foam?</td><td>CO₂?</td><td>Dry Chemical?</td></tr><tr><td>Vaporizing Liquid?</td><td>Other?</td><td></td></tr></tbody></table> 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	Water?	Foam?	Water Fog?	Alcohol Foam?	CO ₂ ?	Dry Chemical?	Vaporizing Liquid?	Other?							
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SECTION VI - ACCIDENTAL RELEASE MEASURES 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.															
SECTION VII - HANDLING AND STORAGE 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.															
SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION Respiratory Protection (Specify Types): Not required Ventilation: Local Exhaust: Not required Special: Not required Mechanical (General): Ventilate to keep vapor levels below TLV & PEL, listed in Section XI. 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 contaminate food or beverages with cleaning chemicals.															

SECTION IX - PHYSICAL/CHEMICAL CHARACTERISTICS Boiling Point: Approximately 212°F (100°C) pH: 10 Specific Gravity (H₂O) = 1: 1.0 % Volatile: > 80 Vapor Density (Air = 1): N. Av. Odor Threshold: N. Av. Evaporation Rate (Butyl Acetate = 1): N. Av. Oil/Water Distribution Coefficient: N. Av. Solubility in Water: Complete Vapor Pressure (MM HG): N. Av. Melting Point: N. Ap.																														
SECTION X - STABILITY AND REACTIVITY 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.																														
SECTION XI - TOXICOLOGICAL INFORMATION <table border="1"><thead><tr><th>Chemical</th><th>OSHA PEL</th><th>ACGIH TLV</th><th>Recom.</th><th>LD50</th><th>LC50</th></tr></thead><tbody><tr><td>A</td><td>100 ppm (skin)</td><td>100 ppm (skin)</td><td>N. Av.</td><td>5.6 g/kg (rat, oral)</td><td>33,000 ppm</td></tr><tr><td>B</td><td>None</td><td>None</td><td>N. Av.</td><td>3,300 mg/kg (rat, oral)</td><td>N. Av.</td></tr><tr><td>C</td><td>N. Av.</td><td>N. Av.</td><td>35 ppm</td><td>N. Av.</td><td>N. Av.</td></tr><tr><td>D</td><td>None</td><td>None</td><td>N. Av.</td><td>N. Av.</td><td>N. Av.</td></tr></tbody></table> Teratogen, Mutagen, Reproductive Toxin Status: N. Av. Toxicologically Synergistic Products: N. Av.	Chemical	OSHA PEL	ACGIH TLV	Recom.	LD50	LC50	A	100 ppm (skin)	100 ppm (skin)	N. Av.	5.6 g/kg (rat, oral)	33,000 ppm	B	None	None	N. Av.	3,300 mg/kg (rat, oral)	N. Av.	C	N. Av.	N. Av.	35 ppm	N. Av.	N. Av.	D	None	None	N. Av.	N. Av.	N. Av.
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SECTION XII - ECOLOGICAL INFORMATION Ecotoxicological Information: N. Av. Chemical Fate Information: N. Av.																														
SECTION XIII - DISPOSAL CONSIDERATIONS 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																														
SECTION XIV - TRANSPORT INFORMATION Shipping Classification: Compound, cleaning liquid, N.O.I. UN Number: N. Ap. Packing Group: N. Ap.																														
SECTION XV - PREPARATION DATA Prepared By: Mike Elms Telephone Number: 651-481-1900 Date: 12-09																														
SECTION XVI - REGULATORY INFORMATION 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: Glycol Ether State Regulations International Regulations WHMIS Controlled Product Hazard Class: D2B																														
SECTION XVII - OTHER INFORMATION None N. Ap. - Not Applicable; N. Av. - Not Available																														

NFPA SYSTEM

1 A. Health Hazard 0 A. Fire Hazard 0 A. Reactivity Hazard

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