

# 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> Ultra Stripper <b>Product Class:</b> Water-Based Floor Finish Stripper <b>Emergency Telephone Number:</b> 800-255-3924 <b>Telephone Number for Information:</b> 651-481-1900 <b>Manufacturer's Name and Address:</b> Multi-Clean® 600 Cardigan Road Shoreview, MN 55126	<b>SECTION IX - PHYSICAL/CHEMICAL CHARACTERISTICS</b> <b>Boiling Point:</b> Approximately 212°F <b>Specific Gravity (H20) = 1:</b> 1.01 <b>Vapor Density (Air = 1):</b> > 1 <b>Evaporation Rate (Butyl Acetate = 1):</b> N. Av. <b>Solubility in Water:</b> Complete <b>Vapor Pressure (MM HG):</b> N. Av. <b>Melting Point:</b> N. Ap. <b>pH:</b> 10 - 11 <b>% Volatile:</b> 75 - 100 <b>Odor Threshold:</b> N. Av. <b>Oil/Water Distribution Coefficient:</b> N. Av.																																				
<b>SECTION II - COMPOSITION/INFORMATION ON INGREDIENTS</b> <b>Hazardous Components (Specific Chemical Identity):</b> <table border="1"><thead><tr><th>Chemical</th><th>Common Name(s)</th><th>%</th></tr></thead><tbody><tr><td>A</td><td>Benzyl Alcohol CAS #100-51-6</td><td>20 - 25</td></tr><tr><td>B</td><td>Dipropylene Glycol Monomethyl Ether CAS #34590-94-8</td><td>5 - 10</td></tr><tr><td>C</td><td>Tall Oil Fatty Acid CAS #61790-12-3</td><td>5 - 10</td></tr><tr><td>D</td><td>Ethanolamine CAS #141-43-5</td><td>3 - 7</td></tr><tr><td>E</td><td>Water CAS #7732-18-5</td><td>40 - 70</td></tr></tbody></table>	Chemical	Common Name(s)	%	A	Benzyl Alcohol CAS #100-51-6	20 - 25	B	Dipropylene Glycol Monomethyl Ether CAS #34590-94-8	5 - 10	C	Tall Oil Fatty Acid CAS #61790-12-3	5 - 10	D	Ethanolamine CAS #141-43-5	3 - 7	E	Water CAS #7732-18-5	40 - 70	<b>SECTION X - STABILITY AND REACTIVITY</b> <b>Stability:</b> Unstable: Stable: X <b>Conditions to Avoid:</b> N. Ap. <b>Incompatibility (materials to avoid):</b> Strong acids and strong oxidizers. <b>Hazardous Decomposition or By-products:</b> N. Av. <b>Hazardous Polymerization:</b> May occur: Will not occur: X <b>Conditions to Avoid:</b> N. Ap.																		
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<b>SECTION III - HAZARDS IDENTIFICATION</b> <b>Emergency Overview</b> <b>Appearance and Odor:</b> Clear amber liquid, citrus fresh fragrance. <b>Primary Hazards:</b> Irritant <b>Potential Health Hazards</b> <b>Route(s) of Entry:</b> Skin Absorption: X Ingestion: Inhalation: X <b>Eye:</b> May cause irritation on contact. <b>Skin:</b> May cause irritation on contact. <b>Ingestion:</b> May be harmful if swallowed. <b>Inhalation:</b> Overexposure to vapors may be harmful. <b>Signs and Symptoms of Exposure:</b> May irritate mucous membranes. Eye Contact: Possible burning, tearing and redness. <b>Skin Contact:</b> Irritation on direct contact. <b>Carcinogenicity:</b> NTP? No IARC Monographs? No <b>OSHA Regulated?</b> No <b>Target Organ(s):</b> Eyes, skin, respiratory system. Gross overexposure to vapors may affect central nervous system, liver and kidneys. <b>Medical Conditions Generally Aggravated by Exposure:</b> N. Av. <b>Health Hazards, Chronic:</b> N. Av.	<b>SECTION XI - TOXICOLOGICAL INFORMATION</b> <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>10 ppm (skin)</td><td>10 ppm (skin)</td><td>N. Av.</td><td>1.23 g/kg (rat, oral)</td><td>1,000 ppm.</td></tr><tr><td>B</td><td>100 ppm (skin)</td><td>100 ppm (skin)</td><td>N. Av.</td><td>5.6 g/kg (rat, oral)</td><td>&lt;33,000 ppm (rat)</td></tr><tr><td>C</td><td>None</td><td>10 mg/m<sup>3</sup></td><td>N. Av.</td><td>N. Av.</td><td>10 ml/L (minnow)</td></tr><tr><td>D</td><td>3 ppm</td><td>3 ppm</td><td>3 ppm</td><td>N. Av.</td><td>N. Av.</td></tr><tr><td>E</td><td>None</td><td>None</td><td>N. Av.</td><td>N. Av.</td><td>N. Av.</td></tr></tbody></table> <b>Teratogen, Mutagen, Reproductive Toxin Status:</b> No data with known relevance to humans. <b>Toxicologically Synergistic Products:</b> N. Av.	Chemical	OSHA PEL	ACGIH TLV	Recom.	LD50	LC50	A	10 ppm (skin)	10 ppm (skin)	N. Av.	1.23 g/kg (rat, oral)	1,000 ppm.	B	100 ppm (skin)	100 ppm (skin)	N. Av.	5.6 g/kg (rat, oral)	<33,000 ppm (rat)	C	None	10 mg/m <sup>3</sup>	N. Av.	N. Av.	10 ml/L (minnow)	D	3 ppm	3 ppm	3 ppm	N. Av.	N. Av.	E	None	None	N. Av.	N. Av.	N. Av.
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<b>SECTION IV - FIRST AID MEASURES</b> <b>Emergency and First Aid Procedures:</b> <b>If Swallowed:</b> Do not induce vomiting. If person can swallow, give several glasses of water. Obtain immediate medical attention. <b>For Eye Contact:</b> Immediately flush eyes with running water for at least 15 minutes. Obtain immediate medical attention. <b>For Skin Contact:</b> Flush thoroughly with cool water. Remove and wash contaminated clothing before reuse. <b>For Inhalation:</b> Remove to fresh air. If irritation persists, obtain medical attention. <b>Sources Used:</b> Raw material data, general toxicology from the trade for similar products.	<b>SECTION XII - ECOLOGICAL INFORMATION</b> <b>Ecotoxicological Information:</b> N. Av. <b>Chemical Fate Information:</b> N. Av.																																				
<b>SECTION V - FIRE FIGHTING MEASURES</b> <b>Flammability:</b> No <b>Flash Point (method used):</b> None <b>Flammable Limits:</b> N. Av. LEL UEL <b>Extinguishing Media:</b> N. Ap. <b>Water?</b> <b>Foam?</b> <b>Water Fog?</b> <b>Alcohol Foam?</b> <b>CO<sub>2</sub>?</b> <b>Dry Chemical?</b> <b>Vaporizing Liquid?</b> <b>Other?</b> <b>Special Fire Fighting Procedures:</b> N. Ap. <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 XIII - DISPOSAL CONSIDERATIONS</b> <b>Waste Disposal Method:</b> Dispose of spilled material in accordance with local, state and federal regulations. Waste from normal cleaning procedures may be sewer, 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 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). Collect spill with mop, absorbent material (example: floor-dri) or vacuum. Thoroughly rinse affected area with water.	<b>SECTION XIV - TRANSPORT INFORMATION</b> <b>Shipping Classification:</b> Compound, Cleaning Liquid, N.O.I. <b>UN Number:</b> N. Ap. <b>Packing Group:</b> N. Ap.																																				
<b>SECTION VII - HANDLING AND STORAGE</b> <b>Precautions to be Taken in Handling and Storing:</b> Normal care in handling and storage. <b>Other Precautions:</b> Keep out of reach of children.	<b>SECTION XV - PREPARATION DATA</b> <b>Prepared By:</b> Mike Elms <b>Telephone Number:</b> 651-481-1900 <b>Date:</b> 5-09																																				
<b>SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION</b> <b>Respiratory Protection (Specify Types):</b> Not required where ventilation is sufficient to maintain vapor level below listed TLV. <b>Ventilation:</b> Local Exhaust: Not required Special: Not required Mechanical (General): As required to keep vapor levels below TLV & PEL, listed in Section XI. Other: Not required <b>Protective Gloves:</b> Natural rubber or synthetic. <b>Eye Protection:</b> Approved safety goggles or shield. <b>Footwear:</b> Rubber footwear. <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 XVI - REGULATORY INFORMATION</b> <b>US Federal Regulations</b> <b>TSCA Status:</b> All ingredients listed. <b>CERCLA Reportable Quality:</b> N. Av. <b>SARA Title III</b> <b>Section 302 Extremely Hazardous Chemicals:</b> None <b>Section 311/312 Hazard Category:</b> Immediate health, chronic health <b>Section 313 Toxic Chemicals:</b> None <b>State Regulations</b> <b>International Regulations</b> WHMIS Controlled Product Hazard Class: D2B																																				
	<b>SECTION XVII - OTHER INFORMATION</b> None N. Ap. - Not Applicable; N. Av. - Not Available																																				
	<b>NFPA SYSTEM</b> <u>2</u> A. Health Hazard <u>0</u> A. Fire Hazard <u>0</u> 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.																																				