

# 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> Constant Shield HD-3000, Part A, Clear		
<b>Product Class:</b> Water-borne floor seal		
<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 II - COMPOSITION/INFORMATION ON INGREDIENTS</b>		
<b>Hazardous Components (Specific Chemical Identity):</b>		
<b>Chemical</b>	<b>Common Name(s)</b>	<b>%</b>
A	Modified Aliphatic polyamide CAS #: Proprietary	10 - 20
B	2-Butoxy ethanol CAS #111-76-2	1 - 5
C	Polyamine Polymer CAS #: Proprietary	5 - 10
D	Water CAS #7732-18-5	60 - 80
<b>SECTION III - HAZARDS IDENTIFICATION</b>		
<b>Emergency Overview</b>		
<b>Appearance and Odor:</b> Yellow liquid, mild odor		
<b>Primary Hazards:</b> Irritant		
<b>Potential Health Hazards</b>		
<b>Route(s) of Entry:</b>	<b>Skin Absorption:</b> X	<b>Inhalation:</b> X
<b>Eye:</b> May cause irritation on contact.		
<b>Skin:</b> May cause irritation and/or sensitization on direct contact.		
<b>Ingestion:</b> May be harmful if swallowed.		
<b>Inhalation:</b> Overexposure to 2-butoxy ethanol (butyl) vapors may cause central nervous system effects including drowsiness, headaches, nausea and dizziness.		
<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> Eyes, skin, liver, kidneys, lymphoid system respiratory system.		
<b>Medical Conditions Generally Aggravated by Exposure:</b> N. Av.		
<b>Health Hazards, Chronic:</b> Possible skin sensitization. Overexposure to 2-butoxy ethanol may cause damage to one or more of the target organs listed above.		
<b>SECTION IV - FIRST AID MEASURES</b>		
<b>Emergency and First Aid Procedures:</b>		
<b>If Swallowed:</b> Drink water in large amounts and call a physician immediately. Never give anything by mouth to an unconscious person. <b>Eye Contact:</b> Flush eyes with running water for at least 15 minutes. If irritation persists, obtain medical attention. <b>Skin Contact:</b> Flush thoroughly with cool water. Remove and wash contaminated clothing before reuse.		
<b>Inhalation:</b> If ill effects occur from breathing vapors, remove victim to fresh air and quiet and keep warm, contact physician.		
<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. Ap.		
<b>Flash Point (method used):</b> > 212°F		
<b>Flammable Limits:</b> N. Ap. <b>LEL</b> <b>UEL</b>		
<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 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 VII - HANDLING AND STORAGE</b>		
<b>Precautions to be Taken in Handling and Storing:</b>		
<b>Storage Temperature:</b> Minimum 40°F (4°C); Maximum 100°F (38°C)		
<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>	<b>Local Exhaust:</b> 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 (100°C)		<b>pH:</b> 9-10			
<b>Specific Gravity (H<sub>2</sub>O) = 1:</b> 1.02		<b>% Volatile:</b> 84			
<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. Ap.					
<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> N. Av.					
<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. Ap.					
<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	N. Ap.	N. Ap.	N. Av.	6,700 mg/kg (oral, rat)	N. Av.
B	25 ppm	25 ppm	25 ppm	1.48 g/kg (rat, oral)	N. Av.
C	400 ppm	400 ppm	400 ppm	5,840 mg/kg (rat, oral)	12,000 ppm (rat, 8 hr.)
D	N. Ap.	N. Ap.	N. Ap.	N. Av.	N. Av.
<b>Teratogen, Mutagen, Reproductive Toxin Status:</b> No data with known relevance to humans.					
<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>					
Sanitary landfill or sewer in accordance with existing pollution control ordinances.					
<b>RCRA Hazard Class:</b> None					
<b>SECTION XIV - TRANSPORT INFORMATION</b>					
<b>Shipping Classification:</b> Paint, varnish or lacquer. N.O.I.					
<b>UN Number:</b> N. Ap.					
<b>Packing Group:</b> N. Ap.					
<b>SECTION XV - PREPARATION DATA</b>					
<b>Prepared By:</b> Mike Elms					
<b>Telephone Number:</b> 651-481-1900					
<b>Date:</b> 9-10					
<b>SECTION XVI - REGULATORY INFORMATION</b>					
<b>US Federal Regulations</b>					
<b>TSCA Status:</b> All ingredients listed.					
<b>CERCLA Reportable Quantity:</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> 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

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