

MATERIAL SAFETY DATA SHEET

(COMPLIES WITH 29CFR 1910.1200)

SECTION I - CHEMICAL PRODUCT & COMPANY IDENTIFICATION	
Identity (As Used on Label and List): Constant Shield LD-1000 Product Class: Water-borne floor coating 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):	
Chemical	Common Name(s) %
A	Emulsified acrylic copolymer (proprietary) 10 - 30
B	Dipropylene glycol methyl ether CAS #34590-94-8 1 - 5
C	Diethylene glycol monobutyl ether CAS #112-34-5 1 - 5
D	Ethylene glycol CAS #107-21-1 1 - 5
E	Propylene glycol n-butyl ether CAS #5131-66-8 1 - 5
F	Water 60 - 100 CAS #7732-18-5
SECTION III - HAZARDS IDENTIFICATION	
Emergency Overview	
Appearance and Odor: Milky white liquid, mild acrylic odor 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 prolonged or repeated contact.	
Ingestion: May be harmful if swallowed.	
Inhalation: No effects expected.	
Signs and Symptoms of Exposure: Irritation on direct contact.	
Carcinogenicity: NTP? No IARC Monographs? No	
OSHA Regulated? No	
Target Organ (s): No additional data	
Medical Conditions Generally Aggravated by Exposure: N. Av.	
Health Hazards, Chronic: N. Av.	
SECTION IV - FIRST AID MEASURES	
Emergency and First Aid Procedures:	
If Swallowed: Do not induce vomiting. 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.	
SECTION V - FIRE FIGHTING MEASURES	
Flammability: No Autoignition Temperature: N. Av.	
Flash Point (method used): None	
Flammable Limits: N. Av. LEL UEL	
Extinguishing Media N. Av.	
Water? Foam? Water Fog?	
Alcohol Foam? CO ₂ ? Dry Chemical?	
Vaporizing Liquid? Other?	
Special Fire Fighting Procedures: N. Av.	
Unusual Fire and Explosion Hazards: N. Av.	
TDG Flammability Classification: Non-flammable	
Sensitivity to Mechanical Impact: None	
Sensitivity to Static Discharge: None	
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:	
Storage Temperature: Minimum 40°F (4°C); Maximum 100°F (38°C)	
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): Normal good ventilation sufficient.	
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	pH: 8-9				
Specific Gravity (H ₂ O) = 1: 1.020	% Volatile: 79				
Vapor Density (Air = 1): > 1	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. Av.					
SECTION X - STABILITY AND REACTIVITY					
Stability: Unstable: Stable: X					
Conditions to Avoid: N. Av.					
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. Av.					
SECTION XI - TOXICOLOGICAL INFORMATION					
Chemical	OSHA PEL	ACGIH TLV	Recom.	LD50	LC50
A	N. Av.	N. Av.	N. Av.	N. Av.	N. Av.
B	100 ppm (skin)	100 ppm (skin)	N. Av.	5.6 g/kg (rat)	>33,000 ppm (rat)
C	N. Av.	N. Av.	35 ppm	N. Av.	N. Av.
D	50 ppm (ceiling)	50 ppm (ceiling)	N. Av.	N. Av.	N. Av.
E	N. Av.	N. Av.	N. Av.	3,300 mg/kg (rat, oral)	N. Av.
F	N. Av.	N. Av.	N. Av.	N. Av.	N. Av.
Teratogen, Mutagen, Reproductive Toxin Status: No					
Toxicologically Synergistic Products: N. Av.					
SECTION XII - ECOLOGICAL INFORMATION					
Ecotoxicological Information: N. Av.					
Chemical Fate Information: N. Av.					
SECTION XIII - DISPOSAL CONSIDERATIONS					
Waste Disposal Method: Sanitary landfill or sewer in accordance with existing pollution control ordinances.					
RCRA Hazard Class: None					
SECTION XIV - TRANSPORT INFORMATION					
Shipping Classification: Buffing or polishing compound					
UN Number: N. Av.					
Packing Group: N. Av.					
SECTION XV - PREPARATION DATA					
Prepared By: Ron Camp					
Telephone Number: 651-481-1900					
Date: 4-15					
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 hazard					
Section 313 Toxic Chemicals: Ethylene glycol monobutyl ether (glycol ether) and ethylene glycol.					
State Regulations					
International Regulations					
WHMIS Controlled Product Hazard Class: D2B					
SECTION XVII - OTHER INFORMATION					
None					
N. Av. - Not Applicable; N.Av. - Not Available					

NFPA SYSTEM

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

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