

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	
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 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. 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:		Mike Tarvin			
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 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. 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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