

MATERIAL SAFETY DATA SHEET

(COMPLIES WITH 29CFR 1910.1200)

SECTION I - CHEMICAL PRODUCT & COMPANY IDENTIFICATION		
Identity (As Used on Label and List): Lino-Strip Linoleum Floor Stripper Product Class: Water-Based Floor Finish Stripper 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	Benzyl Alcohol CAS #100-51-6 8 - 12	
B	Dipropylene Glycol Monomethyl Ether CAS #34590-94-8 5 - 10	
C	Tall Oil Fatty Acid CAS #61790-12-3 1 - 5	
D	Surfactant/Hydrotrope CAS #Mixture 1 - 5	
E	Ethylene Glycol Phenyl Ether CAS #122-99-6 1 - 5	
F	Water CAS #7732-18-5 50 - 80	
SECTION III - HAZARDS IDENTIFICATION		
Emergency Overview		
Appearance and Odor: Clear amber liquid, citrus fresh fragrance.		
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 contact.	
Ingestion:	May be harmful if swallowed.	
Inhalation:	Overexposure to vapors may be harmful.	
Signs and Symptoms of Exposure:	May irritate mucous membranes. Eye Contact: Possible burning, tearing and redness. Skin Contact: Irritation on direct contact. Symptoms may be delayed. Inhalation: Overexposure to vapors may cause central nervous system effects including drowsiness, headache, nausea and dizziness.	
Carcinogenicity:	NTP? No IARC Monographs? No	
OSHA Regulated?	No	
Target Organ (s):	Eyes, skin, liver, kidneys, lymphoid system, respiratory system and blood.	
Medical Conditions Generally Aggravated by Exposure:	N. Av.	
Health Hazards, Chronic:	Overexposure to Glycol Ethers may cause damage to one or more of the target organs listed above.	
SECTION IV - FIRST AID MEASURES		
Emergency and First Aid Procedures: If Swallowed: Do not induce vomiting. If person can swallow, give several glasses of water. Obtain immediate medical attention. For Eye Contact: Immediately flush eyes with running water for at least 15 minutes. Obtain immediate medical attention. For Skin Contact: Flush thoroughly with cool water. Remove and wash contaminated clothing before reuse. For Inhalation: Remove to fresh air. If irritation persists, obtain 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.	
Water?	Foam?	Water Fog?
Alcohol Foam?	CO ₂ ?	Dry Chemical?
Vaporizing Liquid?	Other?	
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	
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.		
SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION		
Respiratory Protection (Specify Types): Not required where ventilation is sufficient to maintain vapor level below listed TLV. Use NIOSH/MSHA approved organic vapor respirator in areas where vapor level exceeds TLV.		
Ventilation:	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	
Protective Gloves:	Natural rubber or synthetic.	
Eye Protection:	Approved safety goggles or shield. Footwear: Rubber footwear.	

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:	7.5 - 8.5		
Specific Gravity (H ₂ O) = 1:	1.01	% Volatile:	75 - 100		
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. Ap.				
SECTION X - STABILITY AND REACTIVITY					
Stability:	Unstable:	Stable:	X		
Conditions to Avoid:	N. Ap.				
Incompatibility (materials to avoid):	Strong acids and strong oxidizers.				
Hazardous Decomposition or By-products:	N. Av.				
Hazardous Polymerization:	May occur:	Will not occur:	X		
Conditions to Avoid:	N. Ap.				
SECTION XI - TOXICOLOGICAL INFORMATION					
Chemical	OSHA PEL	ACGIH TLV	Recom.	LD50	LC50
A	10 ppm (skin)	10 ppm (skin)	N. Av. (skin)	1.23 g/kg (rat, oral)	1,000 ppm.
B	100 ppm	100 ppm	N. Av.	5.6 g/kg (rat oral)	<33,000 ppm (rat,)
C	None	10 mg/m ³	N. Av.	N. Av.	10 ml/L (minnow)
D	N. Ap.	N. Ap.	N. Ap.	6,000 mg/kg (oral)	N. Av.
E	N. Ap.	N. Ap.	N. Ap.	1,400 - 4,000 mg/kg (rat, oral)	N. Av.
F	None	None	N. Av.	N. Av.	N. Av.
Teratogen, Mutagen, Reproductive Toxin Status: No data with known relevance to humans.					
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:					
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: Ron Camp					
Telephone Number: 651-481-1900					
Date: 4-12					
SECTION XVI - REGULATORY INFORMATION					
US Federal Regulations					
TSCA Status: All ingredients listed.					
CERCLA Reportable Quality: N. Av.					
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
2 A. Health Hazard 0 A. Fire Hazard 0 A. Reactivity Hazard

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