

MATERIAL SAFETY DATA SHEET

(COMPLIES WITH 29CFR 1910.1200)

SECTION I - CHEMICAL PRODUCT & COMPANY IDENTIFICATION		
Identity (As Used on Label and List): 3 Eliminator 3 Product Class: Water-based cleaner 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	Dipropylene glycol methyl ether CAS #34590-94-8	8 - 15
B	Sodium carbonate CAS #497-19-8	1 - 5
C	Surfactant Blend CAS #Proprietary	1 - 5
D	Propylene glycol n-butyl ether CAS #5131-66-8	1 - 5
E	Water CAS #7732-18-5	60 - 100
SECTION III - HAZARDS IDENTIFICATION		
Emergency Overview		
Appearance and Odor: Orange liquid, floral/solvent aroma. Primary Hazards: Irritant		
Potential Health Hazards		
Route(s) of Entry: Skin Absorption: X Ingestion: X Inhalation: X		
Eye: May cause irritation on contact. Skin: May cause irritation on contact. Ingestion: May be harmful if swallowed. Inhalation: Over exposure to vapors or mists may be harmful. Signs and Symptoms of Exposure: Irritation on direct contact. Carcinogenicity: NTP? No IARC Monographs? No OSHA Regulated? No		
Target Organ (s): Skin, eyes, respiratory system. Gross over exposure to vapors may affect central nervous system, liver, kidneys. Medical Conditions Generally Aggravated by Exposure: N. Av. Health Hazards, Chronic: Overexposure to Dipropylene glycol methyl ether or its components has apparently been found to cause the following effects in laboratory animals, liver abnormalities and kidney damage.		
SECTION IV - FIRST AID MEASURES		
Emergency and First Aid Procedures:		
For Eye Contact: Flush eyes with running water for at least 15 minutes. If irritation persists, obtain medical attention.. If Swallowed: Do not induce vomiting. Drink two glasses of water, follow with orange juice and immediately call a physician. Never give anything by mouth to an unconscious person. Inhalation: If ill effects occur from breathing vapors/mists, remove victim to fresh air and keep warm. Contact a physician. Never give anything by mouth to an unconscious person. For 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?	CO₂?	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: Normal care in handling and storage. 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): 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: 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 (100°C)		pH: 11-12			
Specific Gravity (H₂O) = 1: 1.01		% Volatile: 60 - 100			
Vapor Density (Air = 1): N. Av.		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): N. Av. 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	100 ppm (skin)	100 ppm (skin)	N. Av.	5.6 gm/kg (rat, oral)	> 33,000 ppm (rat)
B	N. Ap.	N. Ap.	N. Av.	4,000 mg/kg (rat, oral)	N. Av.
C	N. Ap.	N. Ap.	N. Av.	N. Av.	N. Av.
D	None	None	N. Av.	3,300 mg/kg (rat, oral)	N. Av.
E	None	None	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: 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: Mike Elms Telephone Number: 651-481-1900 Date: 12-09					
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: None 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					
<u>2</u> A. Health Hazard		<u>0</u> A. Fire Hazard		<u>0</u> A. Reactivity Hazard	
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