

MATERIAL SAFETY DATA SHEET

(COMPLIES WITH 29CFR 1910.1200)

SECTION I - CHEMICAL PRODUCT & COMPANY IDENTIFICATION	
Identity (As Used on Label and List): Multi-Clean Window Cleaner Product Class: General purpose water-based cleaner Emergency Telephone Number: 800-255-3924 Telephone Number for Information: 651-481-1900 Manufacturer's Name and Address: Multi-Clean®, A Division of Minuteman International, Inc. 600 Cardigan Road Shoreview, MN 55126	
SECTION II - COMPOSITION/INFORMATION ON INGREDIENTS	
Hazardous Components (Specific Chemical Identity):	
Chemical	Common Name(s) %
A	Isopropyl alcohol 10 - 30 CAS #67-63-0
B	Propylene glycol monomethyl ether 3 - 7 CAS #107-98-2
C	Water 60 - 100 CAS #7732-18-5
SECTION III - HAZARDS IDENTIFICATION	
Emergency Overview Appearance and Odor: Blue liquid, alcohol odor. Primary Hazards: Flammable, 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: Overexposure to vapors may be harmful. Signs and Symptoms of Exposure: Excessive exposure may cause headaches or narcotic effects. Carcinogenicity: NTP? No IARC Monographs? No OSHA Regulated? No Target Organ (s): Skin, eyes, respiratory system. 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: Call a physician immediately. 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: Flammable Autoignition Temperature: N. Av. Flash Point (method used): 80°F (27°C) PMcc Flammable Limits: N. Av. LEL N. Av. UEL N. Av. Extinguishing Media Water? Foam? Water Fog? X Alcohol Foam? X CO₂? X Dry Chemical? X Vaporizing Liquid? X Other? Special Fire Fighting Procedures: Water hose stream may spread fire. Use water spray to keep containers cool. Unusual Fire and Explosion Hazards: Vapors are heavier than air and may travel over distances to ignition sources (heat, flames, sparks, pilot lights, etc) where ignition may occur. Ground all equipment. TDG Flammability Classification: Unknown Sensitivity to Mechanical Impact: None Sensitivity to Static Discharge: N. Av.	
SECTION VI - ACCIDENTAL RELEASE MEASURES	
Steps to be Taken in Case Material is Released or Spilled: Extinguish all sources of possible ignition (flames, sparks, pilot lights, etc.) and provide ventilation. For large spills, dike and contain spill with inert material (sand, earth, etc.). Collect spill with absorbent material (example, floor-dri). For small spills, wipe up spill with mop or rag. Dispose of or treat mop or rag properly to avoid fire.	
SECTION VII - HANDLING AND STORAGE	
Precautions to be Taken in Handling and Storing: Do not store near heat, sparks or flame. Other Precautions: Keep out of reach of children. Keep from freezing.	
SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION	
Respiratory Protection (Specify Types): Not required. Avoid breathing spray mist. Ventilation: Local Exhaust: Not required Special: Not required Mechanical (General): As required to keep vapor level below TLVs and PELs (Section XI) 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 131 - 212°F Specific Gravity (H₂O) = 1: .971 Vapor Density (Air = 1): > 1 Evaporation Rate (Butyl Acetate = 1): N. Av. Solubility in Water: Complete Vapor Pressure (MM HG): N. Av. Melting Point: N. Ap.	pH: 11.0 % Volatile: > 95 Odor Threshold: N. Av. Oil/Water Distribution Coefficient: N. Av.				
SECTION X - STABILITY AND REACTIVITY					
Stability: Unstable: Stable: X Conditions to Avoid: N. Ap. Incompatibility (materials to avoid): Oxidizing material, anhydride, isocyanate monomer and organometallic. 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	400 ppm	400 ppm	N. Av.	5,840 mg/kg (rat, oral)	12,000 ppm (rat, 8 hr.)
B	100 ppm	100 ppm	N. Av.	6,600 mg/kg (rat, oral)	> 200 mg/l (rat, 1 hr.)
C	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: D001, characteristic flammable.					
SECTION XIV - TRANSPORT INFORMATION					
Shipping Classification: flammable liquid, N.O.S. (Containing isopropanol), class 3 UN Number: 1993 Packing Group: III					
SECTION XV - PREPARATION DATA					
Prepared By: Mike Tarvin Telephone Number: 651-481-1900 Date: 4/08					
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, fire Section 313 Toxic Chemicals: None State Regulations					
International Regulations WHMIS Controlled Product Hazard Class: B2, D2B					
SECTION XVII - OTHER INFORMATION					
None N. Ap. - Not Applicable; N. Av. - Not Available					

NFPA SYSTEM

1 A. Health Hazard 3 A. Fire Hazard 0 A. Reactivity Hazard

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