

MATERIAL SAFETY DATA SHEET

(COMPLIES WITH 29CFR 1910.1200)

SECTION I - CHEMICAL PRODUCT & COMPANY IDENTIFICATION		
Identity (As Used on Label and List): MAC Plus Restroom Cleaner Product Class: Mild Acid 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	Phosphoric Acid CAS #7664-38-2	5
B	Water CAS #7732-18-5	60 - 100
SECTION III - HAZARDS IDENTIFICATION		
Emergency Overview		
Appearance and Odor: Slightly viscous yellow color, citrus fresh fragrance. Primary Hazards: Corrosive		
Potential Health Hazards		
Route(s) of Entry: Skin Absorption: X Ingestion: X Inhalation: X Eye: May cause burns on contact. Skin: May cause burns on contact. Ingestion: Harmful if swallowed. Inhalation: Overexposure to vapors or mists may be harmful. Signs and Symptoms of Exposure: Irritation. Carcinogenicity: NTP? No IARC Monographs? No OSHA Regulated? No		
Target Organ (s): Eyes, skin and respiratory system. Gross overexposure to vapors may affect central nervous system, liver and kidneys. 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. Get immediate 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. 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. 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: Chemical resistant rubber. 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 (100°C)		pH: < 1.0		% Volatile: > 80	
Specific Gravity (H ₂ O) = 1: 1.03		Vapor Density (Air = 1): < 1		Odor Threshold: N. Av.	
Evaporation Rate (Butyl Acetate = 1): N. Av.		Solubility in Water: Complete		Oil/Water Distribution 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	1 mg/m3	1 mg/m3	N. Ap.	4,400 mg/kg (rat, oral)	7.7 mg/L (rat, 4 hrs.)
B	None	None	N. Av.	None	None
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: Neutralize and dispose of spilled material in accordance with local, state and federal regulations. Waste from normal cleaning procedures may be sewered, depending on the materials and/or contaminants being cleaned as well as state, federal and local sewer commission regulations. RCRA Hazard Class: D002, Characteristic corrosive					
SECTION XIV - TRANSPORT INFORMATION					
Shipping Classification: Corrosive liquid, acidic inorganic, N.O.S. (Containing Phosphoric Acid), class 8 UN Number: UN3264 Packing Group: II					
SECTION XV - PREPARATION DATA					
Prepared By: Mike Elms Telephone Number: 651-481-1900 Date: 10/06					
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: None Section 313 Toxic Chemicals: None State Regulations NOTICE STATE OF CALIFORNIA Warning: This product may contain chemicals known to the State of California to cause cancer or reproductive defects as trace impurities in the standard industrial materials used in the manufacture of this product. International Regulations WHMIS Controlled Product Hazard Class: E					
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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