

MATERIAL SAFETY DATA SHEET

(COMPLIES WITH 29CFR 1910.1200)

SECTION I - CHEMICAL PRODUCT & COMPANY IDENTIFICATION	
Identity (As Used on Label and List): Bio-Bath Foaming Restroom Cleaner Product Class: Foaming Acid Cleaner based on renewable resources 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	Citric Acid 5-8%
B	Water 40 - 100%
	CAS #7732-18-5
C	Alkyl Polyglucoside 2 - 5%
SECTION III - HAZARDS IDENTIFICATION	
Emergency Overview	
Appearance and Odor: Clear liquid with a paradise 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: Mist produces irritation to eyes, nose, throat and skin.	
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. Obtain medical attention. Skin Contact: Flush thoroughly with cool water. If irritation persists, obtain medical attention. 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?
Alcohol Foam?	CO₂?
Vaporizing Liquid?	Other?
Water Fog?	Dry Chemical?
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): 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 195°F	pH: <1.5				
Specific Gravity (H₂O) = 1:	% Volatile: > 80				
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: Do not mix with any other chemicals, especially alkaline, bleach or ammonia cleaners. Avoid contact with alkaline materials & reactive metals.					
Incompatibility (materials to avoid): Mild steel and aluminum may react to produce hydrogen gas that can produce an explosive in confined vessels. Reacts violently with strong bases. Do not use on marble, terrazzo or natural stone.					
Hazardous Decomposition or By-products:					
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	5 mg/m ³	5 mg/m ³	N. Av.	N. Av.	N. Av.
B	None	None	None	N. Av.	N. Av.
C	N. Ap.	N. Ap.	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: Neutralize and dispose of spilled material in accordance with local, state and federal regulations. Waste from normal cleaning procedures may be sewer, 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: Hannah Follis					
Telephone Number: 651-481-1900					
Date: 11/08					
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					
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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