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SECTION 1: CHEMICAL PRODUCT and COMPANY IDENTIFICATION

(N/A)

Product Name: **Multi-Clean Premier**
Manufacturer Name: Multi-Clean, A Division of Minuteman International, Inc.
Address: 600 Cardigan Road
Shoreview, MN 55126

Emergency Telephone Number: 800-255-3924

NFPA

Product Description: Product Class: Water-borne floor polish

Business Phone: 651-481-1900

Revision Date: 10/06

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MATERIAL SAFETY DATA SHEET
(COMPLIES WITH 29CFR 1910.1200)

NFPA SYSTEM:
Emulsified acrylic polymers: Health Hazard - 1
Emulsified acrylic polymers: Fire Hazard - 0
Emulsified acrylic polymers: Reactivity Hazard - 0

Multi-Clean®, A Division of Minuteman International, Inc.

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SECTION 2 : COMPOSITION, INFORMATION ON INGREDIENTS

: (N/A)

Ingredient Name	CAS#	Ingredient Percent
Emulsified acrylic polymers Hazardous: Yes	Proprietary	10 - 30%
Diethylene glycol monoethyl ether Hazardous: Yes	111-90-0	3 - 7%
Tributoxyethyl phosphate Hazardous: Yes	78-51-3	1 - 5%
Emulsified polymer wax Hazardous: Yes	Proprietary	1 - 5%
Water Hazardous: Yes	7732-18-5	60 - 100%
Dipropylene glycol methyl ether Hazardous: Yes	34590-94-8	2 - 6%

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SECTION 3 : HAZARDS IDENTIFICATION

: (N/A)

Physical State: Liquid
 Color: Milky white
 Odor: Mild acrylic odor
 Physical Health Hazard: Irritant


Applies to All Ingredients:

Route of Exposure: Skin Absorption, Inhalation
 Potential Health Effects:
 Eye Contact: May cause irritation on contact.
 Skin Contact: May cause irritation on prolonged or repeated contact.
 Inhalation: No effects expected.
 Ingestion: May be harmful if swallowed.
 Chronic Health Effects: Not Available
 Carcinogenicity:
 OSHA Designation: Regulated? No
 NTP: No
 IARC Designation: Monographs? No
 Target Organs: No additional data
 Signs/Symptoms: Irritation on direct contact.
 Aggravation of Pre-Existing Conditions: Not Available

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: (N/A)

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.
 Ingestion: 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.
 Sources Used: Raw material data, general toxicology from the trade for similar products.

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: (N/A)

Fire: Flammability: No
 Flammable Limits: Not Applicable
 Flash Point: None
 Flash Point Method: None
 Auto Ignition Temperature: Not Applicable
 Flammability Class: TDG: Non-flammable
 Extinguishing Media: Not Applicable
 Fire Fighting Instructions: Not Applicable
 Sensitivity to Impact: None
 Static Discharge Effects: None
 Unusual Fire Hazards: Not Available

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: (N/A)

Spill Cleanup Measures: 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.

Other Precautions:


Keep out of reach of children. Keep from freezing.

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SECTION 7 : HANDLING and STORAGE

: (N/A)

Storage: Minimum 40 deg F (4 deg C); Maximum 100 deg F (38 deg C)
Hygiene Practices: Do not contaminate food or beverages with cleaning chemicals.

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SECTION 8 : EXPOSURE CONTROLS, PERSONAL PROTECTION

: (N/A)

Ventilation System: Mechanical (General): Normal good ventilation sufficient.

Special: Not required

Local Exhaust: Not required

Other Exhaust Information: Not required

Hand Protection Description: Gloves: Natural rubber or synthetic.

Eye/Face Protection: Approved safety goggles or glasses.

Protective Clothing/Body Protection: Not required

Footwear: Not required

Respiratory Protection: (Specify Types): Not required

Exposure Limits: Chemical Name: Emulsified acrylic polymers
Recom.: Not Applicable

Chemical Name: Diethylene glycol monoethyl ether
Recom.: Not Available

Chemical Name: Tributoxyethyl phosphate
Recom.: Not Available

Chemical Name: Emulsified polymer wax
Recom.: Not Available

Chemical Name: Water
Recom.: Not Applicable

Chemical Name: Dipropylene glycol methyl ether
Recom.: 100 ppm (skin)

Work/Hygienic Practices: Do not contaminate food or beverages with cleaning chemicals.

Ingredient Guidelines

Ingredient: Diethylene glycol monoethyl ether

Guideline Type: OSHA PEL-TWA
Guideline Information: Not Applicable
Guideline Type: ACGIH TLV-TWA
Guideline Information: Not Applicable

Ingredient: Dipropylene glycol methyl ether

Guideline Type: OSHA PEL-TWA
Guideline Information: 100 ppm (skin)
Guideline Type: ACGIH TLV-TWA
Guideline Information: 100 ppm (skin)

Ingredient: Emulsified acrylic polymers

Guideline Type: OSHA PEL-TWA
Guideline Information: Not Applicable
Guideline Type: ACGIH TLV-TWA
Guideline Information: Not Applicable

Ingredient: Emulsified polymer wax


Guideline Type: OSHA PEL-TWA
 Guideline Information: Not Applicable
 Guideline Type: ACGIH TLV-TWA
 Guideline Information: Not Applicable

Ingredient: Tributoxyethyl phosphate

Guideline Type: OSHA PEL-TWA
 Guideline Information: Not Applicable
 Guideline Type: ACGIH TLV-TWA
 Guideline Information: Not Applicable

Ingredient: Water


Guideline Type: OSHA PEL-TWA
 Guideline Information: Not Applicable
 Guideline Type: ACGIH TLV-TWA
 Guideline Information: Not Applicable

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SECTION 9 : PHYSICAL and CHEMICAL PROPERTIES

: (N/A)


Physical State/Appearance: Liquid
 Color: Milky white
 Odor: Mild acrylic odor
 pH: 8 - 9
 Vapor Pressure: (MM HG): Not Available
 Vapor Density: (Air = 1): > 1
 Boiling Point: Approximately 212 deg F
 Melting Point: Not Applicable
 Solubility: In Water: Complete
 Specific Gravity: (H2O) = 1: 1.034
 Evaporation Point: (Butyl Acetate = 1): Not Available
 Percent Volatile: 80%
 Odor Threshold: Not Available
 Coefficient of Water/Oil: Not Available
 Distribution:

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SECTION 10 : STABILITY and REACTIVITY

: (N/A)

Chemical Stability: Stable
 Conditions to Avoid: Not Applicable
 Incompatibilities with Other Materials: (Materials to avoid): Not Available
 Hazardous Polymerization: Will not occur
 Conditions to Avoid: Not Applicable
 Hazardous Decomposition Products: Not Available

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SECTION 11 : TOXICOLOGICAL INFORMATION

: (N/A)

Applies to all ingredients:

Mutagenicity: No
Teratogenicity: No
Reproductive Toxicity: No

