

MATERIAL SAFETY DATA SHEET

(COMPLIES WITH 29CFR 1910.1200)

SECTION I - CHEMICAL PRODUCT & COMPANY IDENTIFICATION
Identity (As Used on Label and List): Multi-Clean Multi-Stat Finish
Product Class: Water-borne floor polish
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	Emulsified acrylic polymer (proprietary)	10 - 30
B	Diethylene glycol monoethyl ether CAS #111-90-0	3 - 7
C	Tributoxyethyl phosphate CAS #78-51-3	1 - 5
D	Acrylic terpolymer resin	1 - 5
E	Emulsified polymer wax	1 - 5
F	Water CAS #7732-18-5	60 - 100
G	Dipropylene glycol methyl ether CAS #34590-94-8	1 - 5

SECTION III - HAZARDS IDENTIFICATION
Emergency Overview
Appearance and Odor: Milky white liquid, mild acrylic odor
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 prolonged or repeated contact.
Ingestion: May be harmful if swallowed.
Inhalation: No effects expected.
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. See Health Hazards Chronic.
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:
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. If irritation persists, obtain medical attention. **Skin Contact:** Flush thoroughly with cool water. Remove and wash contaminated clothing before reuse. **Inhalation:** If ill effects occur from breathing vapors, remove victim to fresh air, quite, keep warm and contact physician.
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:
Storage Temperature: Minimum 40°F (4°C); Maximum 100°F (38°C)
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: 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 212°F **pH:** 9
Specific Gravity (H₂O) = 1: 1.034 **% Volatile:** 75 - 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. Av.

SECTION X - STABILITY AND REACTIVITY
Stability: Unstable: Stable: X
Conditions to Avoid: N. Av.
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. Av.

SECTION XI - TOXICOLOGICAL INFORMATION

Chemical	OSHA PEL	ACGIH TLV	Recom.	LD50	LC50
A	N. Av.	N. Av.	N. Av.	N. Av.	N. Av.
B	N. Av.	N. Av.	N. Av.	5,000 mg/kg (rat, oral)	> 200mg/L (1 hr.)
C	None	None	N. Av.	N. Av.	N. Av.
D	None	None	N. Av.	N. Av.	N. Av.
E	None	None	N. Av.	N. Av.	N. Av.
F	None	None	N. Av.	N. Av.	N. Av.
G	100 ppm	100 ppm	N. Av.	5.6 gm/kg (rat, oral)	> 33,000 ppm (rat)

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:
Solution may contain zinc. Coagulate with ferric chloride or sulfate and then lime. Decant the clear liquid to a sewer. Dispose of the coagulum by sanitary landfill or incinerator. Follow all existing pollution control ordinances.
RCRA Hazard Class: None

SECTION XIV - TRANSPORT INFORMATION
Shipping Classification: Buffing or polishing compound
UN Number: N. Av.
Packing Group: N. Av.

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: None
SARA Title III
Section 302 Extremely Hazardous Chemicals: None
Section 311/312 Hazard Category: Immediate health hazard
Section 313 Toxic Chemicals: Dipropylene glycol methyl ether (glycol ether) and Ethylene glycol monoethyl ether (glycol ether)
State Regulations
International Regulations
WHMIS Controlled Product Hazard Class: D2B

SECTION XVII - OTHER INFORMATION
None
N. Av. - Not Applicable; N. Av. - Not Available

NFPA SYSTEM
1 A. Health Hazard 0 A. Fire Hazard 0 A. Reactivity Hazard

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