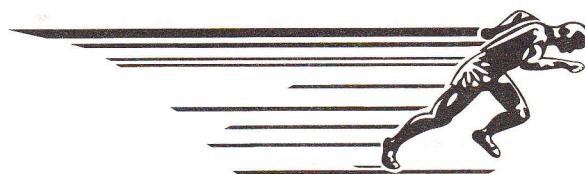


Multi-Clean®

A Division of Minuteman International, Inc.



Multi-Sheen™ Stripper

Heavy-Duty Ammoniated Finish Stripper

MULTI-SHEEN STRIPPER is a high alkaline stripper fortified with builders and ammonia to penetrate and re-emulsify floor finishes. The action of this product properly disperses the finish chemicals into the stripper solution to allow removal by wet/dry vacuuming and rinsing.

Normal application is to apply by mopping or with an automatic scrubber. Product requires 10 to 15 minutes of "working" time and then agitation by a floor machine with a pad or grit type brush to complete removal of old finish.

Use on any floor not harmed by water such as asphalt tile, rubber tile, vinyl and vinyl composition, terrazzo and concrete.

SPECIFICATIONS FOR MULTI-SHEEN STRIPPER

Appearance	Forest green, low viscosity liquid, ammonical odor.
pH	13.8
Specific Gravity	1.055 - 1.059
Flashpoint	None
Dilution	10 - 12 ounces per gallon of water.
	For unusually difficult stripping or cleaning use at rate of 16 - 20 ounces per gallon of water.
Foamability	Low to moderate
Foam Stability	Low
Hardwater Tolerance	Excellent
Detergency	Excellent
Phosphate Free	Yes
Storage Stability	Excellent, 1 year under normal conditions
Freeze-Thaw Stability	Freezes at a very low temperature. If frozen, thaw, stir, check for settling.

Packaging

55 gallon, #910937
5 gallon, #910935
1 gallon, #910933

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-Sheen Stripper
Product Class: Water-based floor finish remover
Emergency Telephone Number: 800-255-3924
Telephone Number for Information: 612-481-1900
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	Sodium metasilicate pentahydrate CAS #6834-92-0	3 - 7
B	Sodium hydroxide CAS #1310-73-2	3 - 7
C	Ammonium hydroxide CAS #1336-21-6	1 - 5
D	Surfactant (proprietary)	1 - 5
E	Surfactant (proprietary)	1 - 5
F	Water CAS #7732-18-5	60 - 100

SECTION III - HAZARDS IDENTIFICATION

Emergency Overview
Appearance and Odor: Green liquid, ammonia odor.
Primary Hazards: Corrosive
Potential Health Hazards
Route(s) of Entry: Skin Absorption: Ingestion: Inhalation: X
Eye: May cause chemical burns on contact.
Skin: May cause chemical burns on contact.
Ingestion: May be harmful if swallowed.
Inhalation: No hazardous vapors.
Signs and Symptoms of Exposure: Eye Contact: Possible burning, tearing, redness and corneal damage. Skin Contact: Possible slippery feeling, redness, swelling and burns. Symptoms may be delayed.
Carcinogenicity: NTP? No IARC Monographs? No
OSHA Regulated? No
Target Organ (s): Eyes, skin and mucous membranes.
Medical Conditions Generally Aggravated by Exposure: N. Av.
Health Hazards, Chronic: N. Av.

SECTION IV - FIRST AID MEASURES

Emergency and First Aid Procedures:
For Eye Contact: Immediately flush eyes with sanitary eye wash solution or running water for at least 15 minutes. Obtain medical attention. Continue to flush eyes until medical attention arrives. **If Swallowed:** Do not induce vomiting. Drink two glasses of water, follow with orange juice and immediately call a physician.
For Skin Contact: Flush thoroughly with cool water. Remove and wash contaminated clothing before reuse. Never give anything by mouth to an unconscious person.
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? **CO₂?** **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): As required to keep vapor levels below TLV & PEL, listed in Section XI. **Other:** Not required
Protective Gloves: Natural rubber or synthetic.
Eye Protection: Approved safety goggles or shield. **Footwear:** Rubber footwear.
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:** > 13
Specific Gravity (H₂O) = 1: 1.079 **% Volatile:** 75 - 95
Vapor Density (Air = 1): < 1 **Odor Threshold:** N. Av.
Evaporation Rate (Butyl Acetate = 1): N. Av. **Oil/Water Distribution Coefficient:** N. Av.
Solubility in Water: Complete
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. **Will not occur:** X
Hazardous Polymerization: May occur:
Conditions to Avoid: N. Ap.

SECTION XI - TOXICOLOGICAL INFORMATION

Chemical	OSHA PEL	ACGIH TLV	Recom.	LD50	LC50
A	None	None	2 mg/M ₃	800 mg/kg	N. Av.
B	2 mg/M ₃	2 mg/M ₃	N. Av.	140-340 mg/kg (rat, oral)	N. Av.
C	50 ppm	25 ppm	N. Av.	N. Av.	N. Av.
D	None	None	N. Av.	2,600 mg/kg (rat, oral)	> 200 mg/l (rat, oral)
E	None	None	N. Av.	N. Av.	N. Av.
F	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 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: 8, corrosive liquid, N.O.S. (Containing sodium hydroxide)
UN Number: 1760
Packing Group: II

SECTION XV - PREPARATION DATA

Prepared By: Mark Levitt
Telephone Number: 612-481-1900
Date: 10/5/94

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 hazard
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

THE INFORMATION CONTAINED HEREIN IS BASED ON DATA CONSIDERED ACCURATE. HOWEVER NO WARRANTY IS EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THESE DATA OR THE RESULTS TO BE OBTAINED FROM THE USE THEREOF. MINUTEMAN INTERNATIONAL, INC. ASSUMES NO RESPONSIBILITY FOR PERSONAL INJURY OR PROPERTY DAMAGE TO VENDEES, USERS OR THIRD PARTIES CAUSED BY THE MATERIAL. SUCH VENDEES OR USERS ASSUME ALL RISKS ASSOCIATED WITH THE USE OF THE MATERIAL.