

MATERIAL SAFETY DATA SHEET

(COMPLIES WITH 29CFR 1910.1200)

SECTION I - CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Identity (As Used on Label and List): Multi-Clean Court Shield SATIN Final Floor
Product Class: Water-borne floor coating
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	Polyurethane/acrylic copolymer aqueous dispersion (proprietary)	60 - 100
B	Tripropylene glycol methyl ether CAS #25498-49-1	1 - 5
C	Propylene glycol CAS #57-55-6	1 - 5
D	N-methyl pyrrolidone CAS #872-50-4	0.5 - 1.5
E	Water CAS #7732-18-5	30 - 60

SECTION III - HAZARDS IDENTIFICATION

Emergency Overview

Appearance and Odor: Milky white liquid, mild odor
Primary Hazards: Irritant

Potential Health Hazards

Route(s) of Entry: Skin Absorption: X Ingestion: 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): No effects expected.

Medical Conditions Generally Aggravated by Exposure: N. Av.

Health Hazards, Chronic: See Section XI

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.

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. An organic vapor mask with dust/mist filter is recommended if spraying product.

Ventilation: **Local Exhaust:** Not required **Special:** Not required

Mechanical (General): Normal good ventilation sufficient.

Other: Not required

Protective Gloves: Neoprene 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)

Specific Gravity (H₂O) = 1: 1.04

Vapor Density (Air = 1): N. Av.

Evaporation Rate (Butyl Acetate = 1): N. Av.

Solubility in Water: Complete

Vapor Pressure (MM HG): N. Av.

Melting Point: N. Av.

pH: 8 - 9

% Volatile: 72

Odor Threshold: N. Av.

Oil/Water Distribution

Coefficient: 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	None	None	N. Av.	N. Av.	N. Av.
B	None	None	N. Av.	10 ml/kg (rat)	1 mg/kg
C	None	None	N. Av.	N. Av.	N. Av.
D	None	None	N. Av.	4,200 mg/kg (rat, oral)	N. Av.
E	None	None	N. Av.	N. Av.	N. Av.

Teratogen, Mutagen, Reproductive Toxin Status: N-methyl pyrrol has been associated with fetotoxic and reduced male fertility effects with high levels of exposure not expected with this product. Exposure during pregnancy and inhalation of sprayed product should be avoided.

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:

Use recovered material according to label directions if possible. Dispose of waste material according to local, state and federal pollution control regulations.

RCRA Hazard Class: None

SECTION XIV - TRANSPORT INFORMATION

Shipping Classification: Paint, lacquer or varnish, NOI

UN Number: N. Av.

Packing Group: N. Av.

SECTION XV - PREPARATION DATA

Prepared By: Mike Tarvin

Telephone Number: 651-481-1900

Date: 5/05

SECTION XVI - REGULATORY INFORMATION

US Federal Regulations

TSCA Status: All ingredients listed.

CERCLA Reportable Quantity: None

SARA Title III

Section 302 Extremely Hazardous Chemicals:

Section 311/312 Hazard Category: Immediate health, chronic health

Section 313 Toxic Chemicals: N-methyl pyrrol

State Regulations

NOTICE STATE OF CALIFORNIA

Warning: This product contains the following chemical(s) which are known to the State of California to cause cancer. Listed chemical(s) are present at levels of less than .1%, (Acrylonitrile CAS #107-13-1). In addition to the listed chemical(s), other chemicals known to the State of California to cause cancer may be present as trace impurities or present in the standard industrial raw materials used in the manufacture of this product.

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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