

MATERIAL SAFETY DATA SHEET

(COMPLIES WITH 29CFR 1910.1200)

SECTION I - CHEMICAL PRODUCT & COMPANY IDENTIFICATION
Identity (As Used on Label and List): Multi-Clean TCS-1
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	Emulsified acrylic copolymer (proprietary)	10 - 30
B	Dipropylene glycol methyl ether CAS #34590-94-8	1 - 5
C	Diethylene glycol monobutyl ether CAS #112-34-5	1 - 5
D	Ethylene glycol CAS #107-21-1	1 - 5
E	Propylene glycol n-butyl ether CAS #5131-66-8	1 - 5
F	Water CAS #7732-18-5	60 - 100

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: 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 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. 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. 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:
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:** 8-9
Specific Gravity (H₂O) = 1: 1.020 **% Volatile:** 79
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: N. Ap.
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. Ap.

SECTION XI - TOXICOLOGICAL INFORMATION

Chemical	OSHA PEL	ACGIH TLV	Recom.	LD50	LC50
A	N. Ap.	N. Ap.	N. Av.	N. Av.	N. Av.
B	100 ppm (skin)	100 ppm (skin)	N. Av.	5.6 g/kg (rat)	>33,000 ppm (rat)
C	N. Av.	N. Av.	35 ppm	N. Av.	N. Av.
D	50 ppm (ceiling)	50 ppm (ceiling)	N. Av.	N. Av.	N. Av.
E	N. Ap.	N. Ap.	N. Av.	3,300 mg/kg (rat, oral)	N. Av.
F	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:
Sanitary landfill or sewer in accordance with existing pollution control ordinances.
RCRA Hazard Class: None

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

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: Diethylene glycol monobutyl ether (glycol ether) and ethylene glycol.
State Regulations
International Regulations
WHMIS Controlled Product Hazard Class: D2B

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

NFPA SYSTEM

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

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