

# MATERIAL SAFETY DATA SHEET

(COMPLIES WITH 29CFR 1910.1200)

MYC909153

<b>SECTION I - CHEMICAL PRODUCT &amp; COMPANY IDENTIFICATION</b>		
Identity (As Used on Label and List): Multi-Clean Constant Shield HD-3000		
Part A, Lt. Gray		
Product Class: Water-borne floor seal		
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		
<b>SECTION II - COMPOSITION/INFORMATION ON INGREDIENTS</b>		
Hazardous Components (Specific Chemical Identity):		
Chemical	Common Name(s)	%
A	Modified polyamides (proprietary)	10 - 30
B	2-Butoxy ethanol CAS #8834-92-0	1 - 5
C	Titanium dioxide CAS #13463-67-7	10 - 30
D	Nonylphenol ethoxylates CAS #9016-45-9	< 1
E	Water CAS #7732-18-5	60 - 100
<b>SECTION III - HAZARDS IDENTIFICATION</b>		
Emergency Overview		
Appearance and Odor: Gray liquid, mild alcohol 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 and/or sensitization on direct contact.		
Ingestion: May be harmful if swallowed.		
Inhalation: Overexposure to butyl vapors may be harmful.		
Signs and Symptoms of Exposure: Irritation on direct contact. Inhalation: Overexposure to 2-Butoxy ethanol (butyl) vapors may cause central nervous system effects including drowsiness, headache, nausea and dizziness.		
Carcinogenicity: NTP? No IARC Monographs? No		
OSHA Regulated? No		
Target Organ (s): Eyes, skin, liver, kidneys, lymphoid system, respiratory system and blood.		
Medical Conditions Generally Aggravated by Exposure: Dermatitis		
Health Hazards, Chronic: Possible skin sensitization. Overexposure to 2-Butoxy ethanol may cause damage to one or more of the target organs listed above.		
<b>SECTION IV - FIRST AID MEASURES</b>		
Emergency and First Aid Procedures:		
If Swallowed: 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. For Overexposure to Vapors: Remove victim to fresh air, contact a physician.		
Sources Used: Raw material data, general toxicology from the trade for similar products.		
<b>SECTION V - FIRE FIGHTING MEASURES</b>		
Flammability: No Autoignition Temperature: N. Ap.		
Flash Point (method used): > 212°F (100°F)		
Flammable Limits: N. Ap. LEL UEL		
Extinguishing Media N. Ap.		
Water? Foam? Water Fog?		
Alcohol Foam? CO <sub>2</sub> Dry Chemical?		
Vaporizing Liquid? Other?		
Special Fire Fighting Procedures: N. Ap.		
Unusual Fire and Explosion Hazards: N. Ap.		
TDG Flammability Classification: Non-flammable		
Sensitivity to Mechanical Impact: None		
Sensitivity to Static Discharge: None		
<b>SECTION VI - ACCIDENTAL RELEASE MEASURES</b>		
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.		
<b>SECTION VII - HANDLING AND STORAGE</b>		
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.		
<b>SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION</b>		
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.					
<b>SECTION IX - PHYSICAL/CHEMICAL CHARACTERISTICS</b>					
Boiling Point: Approximately 212°F (100°C) pH: 9					
Specific Gravity (H <sub>2</sub> O) = 1: 1.26 % Volatile: 63					
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.					
<b>SECTION X - STABILITY AND REACTIVITY</b>					
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.					
<b>SECTION XI - TOXICOLOGICAL INFORMATION</b>					
Chemical	OSHA PEL	ACGIH TLV	Recom.	LD50	LC50
A	None	None	N. Av.	N. Av.	N. Av.
B	25 ppm (skin)	25 ppm (skin)	25 ppm (skin)	1.48 g/kg (rat, oral)	N. Av.
C	N. Ap.	N. Ap.	N. Ap.	N. Av.	N. Av.
D	None	None	N. Av.	2,100 mg/kg (rat, oral)	> 200 mg/L (rat, 8 hr.)
E	None	None	N. Av.	N. Av.	N. Av.
Teratogen, Mutagen, Reproductive Toxin Status: No					
Toxicologically Synergistic Products: N. Av.					
<b>SECTION XII - ECOLOGICAL INFORMATION</b>					
Ecotoxicological Information: N. Av.					
Chemical Fate Information: N. Av.					
<b>SECTION XIII - DISPOSAL CONSIDERATIONS</b>					
Waste Disposal Method: Paint, varnish or lacquer. N.O.I.					
Sanitary landfill or sewer in accordance with existing pollution control ordinances.					
RCRA Hazard Class: None					
<b>SECTION XIV - TRANSPORT INFORMATION</b>					
Shipping Classification: Paint, lacquer or varnish N.O.I.					
UN Number: N. Ap.					
Packing Group: N. Ap.					
<b>SECTION XV - PREPARATION DATA</b>					
Prepared By: Mike Tarvin					
Telephone Number: 651-481-1900					
Date: 10/06					
<b>SECTION XVI - REGULATORY INFORMATION</b>					
US Federal Regulations					
TSCA Status: All ingredients listed.					
CERCLA Reportable Quantity: None					
SARA Title III					
Section 302 Extremely Hazardous Chemicals: None					
Section 311/312 Hazard Category: Immediate health hazard, chronic health.					
Section 313 Toxic Chemicals: Glycol ether					
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: D2B					
<b>SECTION XVII - OTHER INFORMATION</b>					
None					
N. Ap. - Not Applicable; N. Av. - Not Available					

## NFPA SYSTEM

2 A. Health Hazard 0 A. Fire Hazard 0 A. Reactivity Hazard

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# MATERIAL SAFETY DATA SHEET

(COMPLIES WITH 29CFR 1910.1200)

## SECTION I - CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Identity (As Used on Label and List): Multi-Clean Decorative HD-3000 Chips  
For Lt. Gray and Lt. Tan

Product Class: Dry Resin Paint Chips

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	Barium Sulfate CAS #7727-43-7	80-100
B	Titanium dioxide CAS #13463-67-7	1 - 5
C	Proprietary Resin	5 -10

## SECTION III - HAZARDS IDENTIFICATION

### Emergency Overview

Appearance and Odor: Multi-Colored dry chips

Primary Hazards: Mild Bronchial Irritation from respirable dust

### Potential Health Hazards

Route(s) of Entry: Skin Absorption: Ingestion: Inhalation: X

Eye: Not an expected eye irritant. Mechanical irritation is possible.

Skin: Not an expected skin irritant.

Ingestion: May cause irritation to mouth, throat and gastrointestinal tract in large quantities.

Inhalation: Mild bronchial irritation may occur from breathing dust.

Signs and Symptoms of Exposure: Inhalation:

Carcinogenicity: NTP? No IARC Monographs? No

OSHA Regulated? No

Target Organ(s):

Medical Conditions Generally Aggravated by Exposure: Individuals with pulmonary or respiratory diseases.

Health Hazards, Chronic: N.Av.

## SECTION IV - FIRST AID MEASURES

Emergency and First Aid Procedures:

Swallowed: 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. For Overexposure to Vapors:

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): > 212°F (100°F)

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:

Vacuum or sweep up.

## 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 (100°C) pH: N.A.

Specific Gravity (H2O) = 1: 3.6

% Volatile: <1%

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

Odor Threshold: N. Av.

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

Oil/Water Distribution

Solubility in Water: Insoluble

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	10 ppm	10 mg/m3	N. Av.	N. Av.	N. Av.
B	N.Av.	10 mg/m3	N.Av.	N.Av.	N. Av.
C	N.Av.	N.Av.	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: Paint, varnish or lacquer. N.O.I.

Sanitary landfill in accordance with existing pollution control ordinances.

RCRA Hazard Class: None

## SECTION XIV - TRANSPORT INFORMATION

Shipping Classification: N.Av.

UN Number: N. Ap.

Packing Group: N. Ap.

## SECTION XV - PREPARATION DATA

Prepared By: Mike Tarvin

Telephone Number: 651-481-1900

Date: 10/05

## SECTION XVI - REGULATORY INFORMATION

US Federal Regulations

TSCA Status: All ingredients listed.

CERCLA Reportable Quantity: None

SARA Title III

Section 302 Extremely Hazardous Chemicals: None

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

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:

## 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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