

MATERIAL SAFETY DATA SHEET

(COMPLIES WITH 29CFR 1910.1200)

SECTION I - CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Identity (As Used on Label and List): Constant Shield HD-3000, Part A, Light 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®
600 Cardigan Road
Shoreview, MN 55126

SECTION II - COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Components (Specific Chemical Identity):

Chemical	Common Name(s)	%
A	Modified Aliphatic polyamide CAS #: Proprietary	10 - 30
B	2-Butoxy Ethanol CAS #:111-76-2	1 - 5
C	Polyamine Polymer CAS #: Proprietary	5 - 10
D	Titanium Dioxide CAS #13463-67-7	10 - 30
E	Alcohol Ethoxylates CAS #34398-01-1	1 - 5
F	Water CAS #7732-18-5	60 - 100

SECTION III - HAZARDS IDENTIFICATION

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.

SECTION IV - FIRST AID MEASURES

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.

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:

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 (100°C) **pH:** 9 - 10

Specific Gravity (H₂O) = 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.

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
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A	None	None	N. Av.	N. Av.	N. Av.
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B	25 ppm	25 ppm	N. Av.	1.48 g/kg	N. Av.
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	(skin)	(skin)	(skin)	(rat, oral)	
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C	None	None	N. Av.	N. Av.	N. Av.
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D	N. Ap.	N. Ap.	N. Ap.	N. Av.	N. Av.
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E	None	None	N. Av.	1.7 gm/kg	> 200 mg/L
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				(rat, oral)	(rat, 8 hr.)
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F	None	None	N. Av.	N. Av.	N. Av.
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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 or sewer in accordance with existing pollution control ordinances.

RCRA Hazard Class: None

SECTION XIV - TRANSPORT INFORMATION

Shipping Classification: Paint, lacquer or varnish N.O.I.

UN Number: N. Ap.

Packing Group: N. Ap.

SECTION XV - PREPARATION DATA

Prepared By: Mike Elms

Telephone Number: 651-481-1900

Date: 9-10

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: Glycol ether

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

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

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