

# 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, Clear  
**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 polyamides (proprietary)	10 - 20
B	2-butoxy ethanol CAS #6834-92-0	1 - 5
C	Isopropanol CAS #67-63-0	< 5
D	Water CAS #7732-18-5	60 - 80

## SECTION III - HAZARDS IDENTIFICATION

**Emergency Overview**  
**Appearance and Odor:** Yellow 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 2-butoxy ethanol (butyl) vapors may cause central nervous system effects including drowsiness, headaches, nausea and dizziness.  
**Signs and Symptoms of Exposure:** Irritation on direct contact.  
**Carcinogenicity:** NTP? No IARC Monographs? No  
OSHA Regulated? No

**Target Organ(s):** Eyes, skin, liver, kidneys, lymphoid system respiratory system.  
**Medical Conditions Generally Aggravated by Exposure:** N. Av.  
**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. **Inhalation:** If ill effects occur from breathing vapors, remove victim to fresh air and quiet and keep warm, contact 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  
**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. 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/Hygiene 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 (H<sub>2</sub>O) = 1:** 1.02 **% Volatile:** 84  
**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.	6,700 mg/kg (oral, rat)	N. Av.
B	25 ppm	25 ppm	25 ppm	1.48 g/kg (rat, oral)	N. Av.
C	400 ppm	400 ppm	400 ppm	5,840 mg/kg (rat, oral)	12,000 ppm (rat, 8 hr.)
D	N. Ap.	N. Ap.	N. Ap.	N. Av.	N. Av.

**Teratogen, Mutagen, Reproductive Toxin Status:** No data with known relevance to humans.

**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:** Paint, varnish or lacquer. N.O.I.  
**UN Number:** N. Ap.  
**Packing Group:** N. Ap.

## SECTION XV - PREPARATION DATA

**Prepared By:** Mike Tarvin  
**Telephone Number:** 651-481-1900  
**Date:** 12-09

## 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  
**Section 313 Toxic Chemicals:** None  
**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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