

# MATERIAL SAFETY DATA SHEET

(COMPLIES WITH 29CFR 1910.1200)

## SECTION I - CHEMICAL PRODUCT & COMPANY IDENTIFICATION

**Identity (As Used on Label and List):** Constant Shield EZ-2000 Clear  
**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®  
600 Cardigan Road  
Shoreview, MN 55126

## SECTION II - COMPOSITION/INFORMATION ON INGREDIENTS

### Hazardous Components (Specific Chemical Identity):

Chemical	Common Name(s)	%
A	Diethylene glycol monobutyl ether CAS #112-34-5	2 - 4
B	Urethane polymer (proprietary)	15 - 20
C	Diethylene glycol monoethyl ether CAS #111-90-0	1 - 5
D	Acrylic polymer (proprietary)	30 - 40
E	Water CAS #7732-18-5	50 - 75
F	N-Methyl pyrrolidinone CAS #872-50-4	1 - 5

## 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. Ap.  
**Flash Point (method used):** None  
**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. 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) **pH:** 8 - 9  
**Specific Gravity (H<sub>2</sub>O) = 1:** 1.04 **% Volatile:** 80  
**Vapor Density (Air = 1):** N. Av. **Odor Threshold:** N. Av.  
**Evaporation Rate (Butyl Acetate = 1):** N. Av. **Oil/Water Distribution Coefficient:** N. Av.  
**Solubility in Water:** Complete  
**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	None	None	N. Av.	N. Av.	N. Av.
B	None	None	N. Av.	N. Av.	N. Av.
C	None	None	N. Av.	5,000 mg/kg (rat, oral)	> 200 mg/L (1 hr.)
D	None	None	N. Av.	N. Av.	N. Av.
E	None	None	N. Av.	N. Ap.	N. Ap.
F	N. Ap.	N. Ap.	100 ppm	4,200 mg/kg (rat, oral)	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. Ap.  
**Packing Group:** N. Ap.

## SECTION XV - PREPARATION DATA

**Prepared By:** Ron Camp  
**Telephone Number:** 651-481-1900  
**Date:** 4-12

## SECTION XVI - REGULATORY INFORMATION

**US Federal Regulations**  
**TSCA Status:** All ingredients listed.  
**CERCLA Reportable Quantity:** None  
**SARA Title III**  
**Section 302 Extremely Hazardous Chemicals:** Acrylonitrile (< 1 ppm)  
**Section 311/312 Hazard Category:** Immediate health, chronic health  
**Section 313 Toxic Chemicals:** Acrylonitrile (< 1 ppm), N-methyl pyrrolidinone

### 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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