

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? **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. 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 (H₂O) = 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: Mike Elms
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: 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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