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  2 - 4
B Urethane polymer  15 - 20
C Diethylene glycol monooctyl ether (proprietary)  1 - 5
D Acrylic polymer (proprietary)  30 - 40
E Water  50 - 75
F N-Methyl pyrrolidinone  1 - 5

CAS #872-50-4

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: May cause irritation on prolonged or repeated contact.

Skin Inflammation:

Ingestion:

Inhalation:
No effects expected.

Signs and Symptoms of Exposure:
Irritation on direct contact.

Carcinogenicity:
NTP: No
OSHA Regulated? No

IARC Monographs: No

OSHA PEL / ACGIH TLV:

Chemical OSHA PEL ACGIH TLV
None None N. Av.

Recom.   LD50   LC50
None None N. Av.

Section 302 Extremely Hazardous Chemicals:

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

Immunological status:

Toxicologically Synergistic Products:

Medical Conditions Generally Aggravated by Exposure:

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:
None


Flash Point (method used): None


Water: Foam? Water Fog?

Alcohol Foam?

CO2? Dry Chemical?

Vaporizing Liquid?

Other?


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-dr) 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

Mechanical (General): Normal good ventilation sufficient.

Other: Not required

Protective Gloves: Neoprene rubber

Eye Protection: Approved safety goggles or glasses.

Footwear: Not required

OTHER INFORMATION:

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)

Specific Gravity (H20) = 1: 1.04

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

Olor Threshold: N. Av.

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

Oil/Water Distribution: Complete

Solubility in Water:

Coefficient: N. Av.

Vapor Pressure (MM HG):

N. Av.


SECTION X - STABILITY AND REACTIVITY

Stability:
Unstable: Stable: X

Conditions to Avoid:

Incompatibility (materials to avoid):

N. Av.

Hazardous Decomposition or By-products:

N. Av.

Hazardous Polymerization:
May occur: Will not occur: X

Conditions to Avoid:

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 > 200 mg/L

N. Av. (rat, oral) (1 hr.)

D None None N. Av. N. Av. N. Av.
E None None N. Av. N. Av. N. Av.
F N. Ap. N. Ap. 100 ppm 4,200 mg/L

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, NO!


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

N. Ap. - Not Applicable: N. Av. - Not Available

NFPA SYSTEM

1 A. Health Hazard  0 A. Fire Hazard  0 A. Reactivity Hazard

THE INFORMATION CONTAINED HEREIN IS BASED ON DATA CONSIDERED ACCURATE, HOWEVER NO WARRANTY IS EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THESE DATA OR THE RESULTS TO BE OBTAINED FROM THE USE THEREOF. MINUTEMAN INTERNATIONAL, INC. ASSUMES NO RESPONSIBILITY FOR PERSONAL INJURY OR PROPERTY DAMAGE TO VENDEES, USERS OR THIRD PARTIES CAUSED BY THE MATERIAL. SUCH VENDEES OR USERS ASSUME ALL RISKS ASSOCIATED WITH THE USE OF THE MATERIAL.