

MATERIAL SAFETY DATA SHEET

(COMPLIES WITH 29CFR 1910.1200)

SECTION I - CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Identity (As Used on Label and List): R.S.B.
Product Class: Water-borne floor polish
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 | Emulsified acrylic polymers (proprietary) | 10 - 30 |
| B | Diethylene glycol monoethyl ether CAS #111-90-0 | 3 - 7 |
| C | Tributoxyethyl phosphate CAS #78-51-3 | 1 - 5 |
| D | Emulsified polymer waxes (proprietary) | 3 - 8 |
| E | Water CAS #7732-18-5 | 60 - 100 |
| F | Dipropylene glycol methyl ether CAS #34590-94-8 | .5 - 1.5 |
| G | Isopropanol CAS #67-63-0 | 1 - 5 |

SECTION III - HAZARDS IDENTIFICATION

Emergency Overview

Appearance and Odor: Blue liquid, pleasant fragrance
Primary Hazards: Irritant

Potential Health Hazards

Route(s) of Entry: Skin Absorption: X Ingestion: X 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 additional data

Medical Conditions Generally Aggravated by Exposure: N. Av.

Health Hazards, Chronic: N. Av.

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. Av.

Flash Point (method used): None

Flammable Limits: N. Av. LEL UEL

Extinguishing Media: N. Av.

Water? **Foam?** **Water Fog?**

Alcohol Foam? **CO₂?** **Dry Chemical?**

Vaporizing Liquid? **Other?**

Special Fire Fighting Procedures: N. Av.

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

pH: 9 - 10

Specific Gravity (H₂O) = 1: 1.022

% Volatile: 82

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. Av.

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. Av.

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. | 5,000 mg/kg (rat, oral) | > 200mg/L (1 hr.) |
| C | None | None | N. Av. | N. Av. | N. Av. |
| D | None | None | N. Av. | N. Av. | N. Av. |
| E | None | None | N. Av. | N. Av. | N. Av. |
| F | 100 ppm (skin) | 100 ppm (skin) | 100 ppm (skin) | 5.6 g/kg (rat, oral) | > 33,000 ppm (rat) |
| G | 400 ppm | 400 ppm | 400 ppm | 5,840 mg/kg (rat, oral) | N. Av. |

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:

Solution may contain zinc. Coagulate with ferric chloride or sulfate and then lime. Decant the clear liquid to a sewer. Dispose of the coagulum by sanitary landfill or incinerator. Follow all existing pollution control ordinances.

RCRA Hazard Class: None

SECTION XIV - TRANSPORT INFORMATION

Shipping Classification: Buffing or polishing compound

UN Number: N. Av.

Packing Group: N. Av.

SECTION XV - PREPARATION DATA

Prepared By: Mike Elms

Telephone Number: 651-481-1900

Date: 3-11

SECTION XVI - REGULATORY INFORMATION

US Federal Regulations

TSCA Status: All ingredients listed.

CERCLA Reportable Quality: None

SARA Title III

Section 302 Extremely Hazardous Chemicals: None

Section 311/312 Hazard Category: Immediate health hazard

Section 313 Toxic Chemicals: Diethylene glycol monoethyl ether (glycol ether).

State Regulations

International Regulations

WHMIS Controlled Product Hazard Class: D2B

SECTION XVII - OTHER INFORMATION

None

N. Av. - Not Applicable; N. Av. - Not Available

NFPA SYSTEM

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

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