

Clear Essence

Certified Floor Finish



Clear Essence is based on a polymer cross-linking technology that does not require the use of zinc or other heavy metals to produce a durable, high quality finish with excellent long term removability.

Clear Essence combines the benefits of conventional zinc metal interlock finishes without the environmental drawbacks. (Zinc has been found to interfere with waste water treatment processes.) In addition, Clear Essence does not give off harsh ammonia fumes during application making the product ideal for use in hospitals, nursing homes, schools and other areas where odor must be kept to a minimum. Clear Essence exhibits excellent burnish response using high speed and ultra high speed equipment.

Clear Essence can be used as both a seal and a finish to achieve a high gloss appearance with excellent scuff, mark, soil, and detergent resistance. StainLess, a zinc free sealer, can also be used as a part of a complete zinc free system.

The Clear Essence



Clear Essence exceeds slip resistance standards when tested according to ASTM D-2047.

Properties

Appearance	Milky white liquid
Non-Volatile (solids)	19.5 - 20.5
Coverage	1500 - 2500 sq. ft./gallon
Drying Time	30 - 40 minutes
Application Temp	50° F (minimum)
Storage Stability	Excellent, 1 year normal conditions
Freeze-Thaw Stability	Passes three cycles

FOR INDOOR USE ONLY.

Packaging

5 gallon, 904105



This product meets the Green Seal™ environmental standard for industrial and institutional cleaners based on its reduced human and environmental toxicity and reduced volatile organic compound contents.

Learn More.....at www.multi-clean.com

- *Training materials: Multi-Clean Method Bulletin 1415 provides detailed floor care procedures.
- *Calculators: Easy online calculator provides estimates of product usage for a project.

WARNING & DISCLAIMER: Results may vary. Multi-Clean chemicals are to be used only by appropriately trained personnel. IMPROPER USE POSES RISK OF PHYSICAL INJURY OR PROPERTY DAMAGE. See appropriate Multi-Clean Method Bulletin for further warnings and information for your application. The suitability of and proper application of this product is the responsibility of the applier. The manufacturer disclaims all warranties, express and implied, including any warranties of MERCHANTABILITY AND FITNESS OF PURPOSE. The manufacturer's liability is limited to replacement of or reimbursement for any product proved defective. No person has authority to waive these disclaimers or make any representations or warranties on behalf of the manufacturer, except in writing signed by the manufacturer.



MATERIAL SAFETY DATA SHEET

(COMPLIES WITH 29CFR 1910.1200)

SECTION I - CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Identity (As Used on Label and List): Clear Essence
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 wax (proprietary)	1 - 5
E	Water CAS #7732-18-5	60 - 100

SECTION III - HAZARDS IDENTIFICATION

Emergency Overview
Appearance and Odor: Milky white liquid, mild acrylic 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 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:** 7 - 8
Specific Gravity (H₂O) = 1: 1.028 **% Volatile:** 80
Vapor Density (Air = 1): > 1 **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. Av.

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	N. Av.	N. Av.	N. Av.	5,000 mg/kg	> 200 mg/LL
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.

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:
Dispose of spilled material in accordance with local, state and federal regulations. Waste from normal product use (according to manufacturer's directions) may be sewerred in compliance with local, state and federal regulations.
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: Ron Camp
Telephone Number: 651-481-1900
Date: 4-12

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: D, 2B

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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