



Evolution

A Naturally Better Floor Finish

Product Information

EVOLUTION floor finish combines the most up-to-date advances in polymer technology to give you unsurpassed gloss, black heel mark resistance and superior wear characteristics. This work horse product is ideal for any institutional, industrial or hospitality market.

EVOLUTION has EcoLogo^M Certification (certified by ECP, an Environment Canada Program) which guarantees you are using one of the most environmentally responsible floor finishes that is available. Evolution is a zinc-free and styrene-free formulation.

EVOLUTION has exceeded the standards set by ASTM for slip resistance. The water and detergent resistant characteristics make it a natural choice. Evolution can be used in any buffing or burnishing program.

EVOLUTION can be used on a variety of resilient and non resilient flooring including vinyl, composite tile, polyvinyl chloride, linoleum, marmoleum, sheet vinyl, quarry tile, terrazzo and concrete. This extremely versatile floor finish will save you time and labor.

EVOLUTION is economical as it can be *used at a rate of 2000-3500 square feet per gallon (200-325 sq.m)*, depending on the porosity of the floor. We recommend that floors be stripped with Burlesque and maintained with NeutraMax, both of which are EcoLogo^M (certified by ECP, an Environment Canada Program.)

EVOLUTION floor finish is available in 2x2.6 gal (2x10L) TWIN PAKS and 4x1 gal (4x3.78L) cases.

Contact your local sales representative or visit www.chemecology.com for more information.

M-chem Technologies Inc.
1.800.663.9925
www.mchem.com

Maxim Chemical International Ltd.
1.800.667.9915
www.maximchemical.com



MATERIAL SAFETY DATA SHEET

SECTION 1 – PRODUCT/MANUFACTURER'S IDENTITY

Product Name: **EVOLUTION**

WHMIS CODE: D2B

HMIS

Product Use: *Zinc-free Floor Finish*

Proper Shipping Name: N/A

1	Health
0	Flammability
0	Reactivity
B	Personal

Hazard Class: N/A

UN Number: N/A

M-chem Technologies Inc.
1607 Derwent Way
Delta, BC V3M 6K8, Canada
Phone: (604) 526-5655

EMERGENCY PHONE

Canada: Canutec 613-996-6666
U.S.A.: Chemtrec 800-424-9300

A=Gloves, B=Goggles & Gloves
C=Goggles, Gloves and Apron

ABBREVIATION KEY: N/A=Not Applicable, N/E=Not Established, N/D=Not Determined, > =Greater Than

SECTION 2 – HAZARDOUS INGREDIENTS INFORMATION

INGREDIENT	CAS NO.	RANGE %	PEL	TLV
DIETHYLENE GLYCOL MONOETHYL ETHER	111-90-0	1.0-5.0	N/E	N/E
The above item is reported per 40 CFR 372, Section 313 of Emergency Planning and Community Right to Know Act of 1986.				
LD50 (Oral-Rat)	5540 mg/kg			
LD50 (Dermal-Rat)	6000 ml/kg			
LC50	No Data			
TRIBUTOXYETHYL PHOSPHATE	78-51-3	1.0-5.0	N/A	N/A
The above item is reported per 40 CFR 372, Section 313 of Emergency Planning and Community Right to Know Act of 1986				
LD50	N/A			
LD50	N/A			
LC50	N/A			

SECTION 3 – PHYSICAL DATA

Color and Odor: Milky white, characteristic odor. **Boiling Point:** N/D **Vapor Pressure (mm HG):** N/D **pH:** 8.0 - 9.0
Physical State: Liquid. **Melting Point:** N/A **Vapor Density:** N/D **Specific Gravity:** 1.03 @ 20°C
Coeff. Water/Oil Dist: Greater than 1.0 **Evaporation Rate:** N/D **Solubility in Water:** Soluble **Odor Threshold:** No Data

SECTION 4 – FIRE AND EXPLOSION HAZARD DATA

Flash Point and Method: None to 100°C **Sensitivity to Mechanical Impact:** None. **Extinguishing Media:** Not flammable.
Flammable Limits: None known. **Sensitivity to Static Discharge:** None. **Auto ignition Temperature:** None known.
Unusual Fire and Explosion Hazards: None. **Conditions of Flammability:** None.
Hazardous Combustion Products: Decomposition may produce carbon oxides and/or acrylic monomers.
Special Fire Fighting: Wear NIOSH/MSHA approved, self-contained breathing apparatus for fire fighting situation.

SECTION 5 – REACTIVITY DATA

Chemical Stability: Stable under normal storage conditions. **Hazardous Polymerization:** Will not Occur.
Incompatibility (material to avoid): Strong acids, alkalis, heavy metal salts and oxidizing agents.
Hazardous Decomposition Products: Carbon oxides and acrylic monomer fumes upon thermal decomposition.

SECTION 6 – TOXICOLOGICAL DATA

Exposure Limits: See Section 2 under Hazardous Ingredient. **Routes of Entry:** Skin, eyes, inhalation.
Irritancy of Product: May be irritating to eyes. **Carcinogenicity:** None known.
Sensitization: None known. **Teratogenicity:** None known. **Mutagenicity:** None known.
Name of Toxicological Synergistic Product: None known. **Reproductive Toxicity:** None known.
Effects of Chronic Exposure: Prolonged or repeated exposure may cause skin irritation or dermatitis.
Effects of Acute Exposure to Product: Product exposure may irritate skin and eyes. Prolonged inhalation of vapors or mists may irritate respiratory system. Ingestion may cause gastro-intestinal and abdominal discomfort.

SECTION 7 – PREVENTATIVE AND CONTROL MEASURES

Respiratory Protection: Not required for normal use of product.
Ventilation: Good general ventilation or local exhaust ventilation for spraying and misting in confined areas.
Protective Gloves: Not required for normal use of product. Use Butyl rubber or Neoprene gloves when handling directly.
Eye Protection: Normally not required. However, Chemical goggles or safety glasses when eye contact may occur.
Protective Clothing and Equipment: Long sleeve coveralls. Eye wash recommended in the immediate work area.
Storage and Handling Procedures: Use good Industrial hygiene. Avoid contact with skin, eyes and clothing. Store in a cool, dry place away for incompatibles. Keep container closed when not in use. Do not mix with other chemicals. Store at temperatures below 30°C and keep from freezing.
Disposal Procedures for Spills or Leaks: Wear protective equipment. Soak up spills with absorbents, then dispose of in an appropriate waste container. Keep material away from sewers.
Waste Disposal Method: Reuse or neutralize with soda ash or sodium bicarbonate if possible. Otherwise dispose recovered material in accordance with all local, Provincial or Federal regulations.
Special Shipping Information: Keep from freezing and temperatures above 30°C.

SECTION 8 – EMERGENCY FIRST AID PROCEDURES

First Aid:

If swallowed, give plenty of clean water to drink to dilute product. Do not induce vomiting. Call a Physician. In case of contact with eyes, flush with clean water for 15 minutes. Get medical attention. For contact with skin, wash with clean water and rinse well. If irritation occurs or persists, get medical attention.

PREPARATION DATA

PREPARED BY: Technical Service / Regulatory Division

PHONE: 604-526-5655

LAST UPDATE: 07/04/11

THE INFORMATION PROVIDED IN THIS MATERIAL SAFETY DATA SHEET HAS BEEN OBTAINED FROM CURRENT SOURCES AND IS BELIEVED TO BE RELIABLE