

## DESCRIPTION

**Foundation** is a water-based, acrylic sealer for added protection to resilient floors. Because of the new polymer technology, many floor finishes can be used without a sealer. However, there are many cases with new tiles and old flooring when a sealer will give you the following benefits:

1. Reduce the number of finish coats required.
2. Restore color to old, washed-out flooring.
3. Reduce costs by pre-filling the tile pores.
4. Increase the bonding ability of finish to tiles.

**Foundation** is a removable polymer seal that will resist deep scrubbing, but can be stripped off when needed with an M-chem stripping solution such as #1 Remover.

## DIRECTIONS

### **Floor Preparation:**

1. Strip sections of floor using an M-chem stripper according to the directions.
2. Pick up spent solution as soon as each section has been stripped. Use a mop or for best results, a wet vacuum.
3. Rinse floor thoroughly with clear water. If a neutralizer solution is used, a final clear water rinse is recommended.
4. Allow floor to thoroughly dry before applying **Foundation**.

### **Application:**

1. Use a clean finish mop reserved for applying sealer and floor finishes.
2. Pre-wet mop with water and thoroughly wring out the water. This will eliminate over use of sealer and reduce costs.
3. Using a clean bucket and wringer set, apply medium coats of **Foundation** using smooth, even strokes.
4. Allow each coat to dry thoroughly, usually 20-30 minutes under normal conditions.
5. Apply additional coats depending on the porosity of the tile. Usually 2 coats are sufficient.

For added protection, and to enhance the floor's appearance, apply one of M-chem's quality floor finishes over **Foundation**. Be sure to thoroughly wash out mop or preferably, use a second, clean mop to apply the final finish coats.

## PHYSICAL DATA

Solids	16% minimum
Drying Time	20-30 minutes
Film Color	Clear, colourless
Slip Resistance	Passes ASTM D2047
Performance	Excellent Leveling and Durability

# MATERIAL SAFETY DATA SHEET

## SECTION 1 – PRODUCT/MANUFACTURER'S IDENTITY

Product Name: **FOUNDATION**

WHMIS CODE: D2B

Product Use: *Floor sealer.*

Proper Shipping Name: N/A

Hazard Class: N/A

UN Number: N/A

### HMIS

1	Health
0	Flammability
0	Reactivity
B	Personal

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### EMERGENCY PHONE

Canada: Canutec 613-996-6666

U.S.A.: Chemtrec 800-424-9300

A=Goggles, 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
<b>DIETHYLENE GLYCOL MONOETHYL ETHER</b> 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	111-90-0	1.0-5.0	N/E	N/E
<b>DIBUTYL PHTHALATE</b> The above item is reported per 40 CFR 372, Section 313 of Emergency Planning and Community Right to Know Act of 1986. LD50 8000 mg/kg LD50 (Rabbit) >20 ml/kg LC50, 2hrs. (Mouse) 2500 mg/m3	84-74-2	1.0-5.0	5 mg/m3	5 mg/m3

## SECTION 3 – PHYSICAL DATA

**Color and Odor:** Milky white, characteristic odor. **Boiling Point:** N/D **Vapor Pressure (mm HG):** N/D **pH:** 8.0 – 8.5  
**Physical State:** Liquid. **Melting Point:** N/A **Vapor Density:** N/D **Specific Gravity:** 1.02 @ 20°C  
**Coef. 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 (TCC) **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. Use water spray to cool all nearby fire exposed surfaces.

## SECTION 5 – REACTIVITY DATA

**Chemical Stability:** Stable under normal storage conditions.  
**Hazardous Polymerization:** Will not occur.  
**Incompatibility (material to avoid):** None known.  
**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 skin and eyes. **Carcinogenicity:** None known.  
**Sensitization:** None known. **Mutagenicity:** None known.  
**Teratogenicity:** None known. **Reproductive Toxicity:** None known.  
**Name of Toxicological Synergistic Product:** 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:** Normally not required. However, if product is misted or sprayed, use a NIOSH/MSHA approved dust/mist respirator.  
**Ventilation:** Good general ventilation or local exhaust ventilation for spraying and misting in confined areas.  
**Protective Gloves:** Butyl rubber or Neoprene gloves.  
**Eye Protection:** Chemical goggles, safety goggles or face shield.  
**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 from 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 if possible. Otherwise dispose recovered material in accordance with all local, Provincial or Federal regulations.  
**Special Shipping Information:** Store at temperature below 30°C and keep from freezing.

## 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