

DESCRIPTION

Benefits' unique high cross-link density polymers, with lower acid levels, provide superior durability, excellent soil resistance and faster dry times. **Benefits** has low odor, is APE-free (alkyl phenol ethoxylate) and formaldehyde-free for a better environment. **Benefits** can be used on most types of resilient flooring such as linoleum, marmoleum, vinyl sheet and vinyl composite tile.

Add up the **Benefits**:

✓ *Fewer Coats = Less Time and Money Spent*

The ultra high solids in **Benefits** require 25 to 40 % fewer coats than conventional finishes.

✓ *Superior Durability = Glossier Floors*

Benefits exhibits a noticeable difference in black heel mark and overall soil resistance - longer than ever before - reducing the frequency of top scrubbing and recoating.

✓ *Faster Drying = Reduced Application Time*

Combine fewer required coats with the benefit of a faster drying time, it adds up to lower maintenance costs with **Benefits**.

✓ *Less Frequent Need for Stripping and Recoat = Lower Maintenance Costs*

The increased durability of **Benefits'** 30% high solids formulation exhibits better resistance to detergent washing and extends the life of the film beyond other products. This reduces the need to scrub, strip and add coats of finish.

✓ *Easy to Remove = Less time, Less Work*

Compared to other high solids polishes, **Benefits** is formulated for easy removal with normal stripping procedures, saving time and labour.

DIRECTIONS

Preparation: When floor is clean and dry, apply thin to average coats of **Benefits** allowing a minimum of 10 minutes between coats. **Benefits** can be used without a sealer. However, on a porous floor, it is beneficial to apply 1 or 2 coats of a premium sealer such as M-chem's *Foundation*.

Application: Note: 1 coat of **Benefits** = 1.5 coats of a 20% finish. Therefore, 3 coats of **Benefits** = 5 coats of regular finish.

Apply 2 or 3 coats of **Benefits** allowing 10 to 20 minutes average drying time on a sealed floor. *Dry time will vary with thickness of film, type of floor and relative humidity.

Maintenance: Dust mop with treated mop daily. Damp mop with a neutral detergent for best results.

PHYSICAL DATA

Total Solids	30.0 % (non-volatile) minimum
Drying Time	10-20 minutes
Coverage	2,500 to 3,000 sq.ft. when building film
Slip Resistance	Passes ASTM D2047
Performance	Excellent Leveling, Scuff Resistance, Depth of Gloss and Durability

MATERIAL SAFETY DATA SHEET

SECTION 1 – PRODUCT/MANUFACTURER'S IDENTITY

Product Name: **BENEFITS** WHMIS CODE: D2B
Product Use: *High Solids Floor Finish.* Proper Shipping Name: N/A
Hazard Class: N/A
UN Number: N/A

HMIS	
1	Health
0	Flammability
0	Reactivity
B	Personal

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

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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
DIPROPYLENE GLYCOL METHYL ETHER	34590-94-8	1.0-5.0	100 ppm	100 ppm
LD50	5135 mg/kg			
LD50	9500 mg/kg (Rabbit)			
LC50	N/A			
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			

SECTION 3 – PHYSICAL DATA

Color and Odor: Milky white, low 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:** 1.04 @ 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 **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): 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 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: 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 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 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: Store at temperature below Keep 30°C. 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