OPTIBRITE

Floor Finish That Saves

DESCRIPTION

Fast drying ***OptiBrite***™ ensures minimal down-time. ***OptiBrite***™'s unique acrylic polymer system provides superior durability and a diamond like high gloss finish as well as a rugged resistance to harsh cleaning detergents saving both time and money! Amazing coverage, durability and fast dry times make ***OptiBrite***™ the choice of informed cleaning professionals.

OptiBrite™'s patented technology provides a unique combination of film hardness and resilience with an undetectable level of ammonia odor. This allows ***OptiBrite***™ to dissipate the energy of foot traffic, impacts and abrasion providing excellent resistance to black marks and scuffing, as well as gloss retention. ***OptiBrite***™ can be used on most types of resilient flooring such as linoleum, marmoleum, vinyl sheet and vinyl composite tile. All of these benefits assure significant labour savings.

OptiBrite™'s primary performance benefits are:

Durability - ***OptiBrite***™ has excellent scuff, black heel mark and overall wear resistance.

Gloss - ***OptiBrite***™ has outstanding lay down gloss and gloss retention, reducing the need to burnish as often.

Lower Costs - ***OptiBrite***™ provides decreased labour and equipment costs for end users through a reduced need to buff, burnish, recoat and through a reduction in the number of floor strippings.

Low Odor - ***OptiBrite***™ has low ammonia odor making ***OptiBrite***™ pleasant to work with.

DIRECTIONS

Preparation:

Remove old finish with a quality stripper like *#1 Remover* as per label directions. When floor is clean and dry, thin coats of ***OptiBrite***™ can be applied allowing a minimum of 10 minutes between coats. ***OptiBrite*** ™ can be used without a sealer. However, on a porous floor, it is beneficial to apply 2 coats of a premium sealer like M-*chem*'s *Foundation*.

Application:

Thin Coats - Apply up to 6 coats of ***OptiBrite***™ allowing 10 minutes average drying time on a sealed floor.

Regular Method - Apply 2 or 3 coats of ***OptiBrite***™ allowing 20 to 30 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, like *NeutraMax* for best results.

PHYSICAL DATA

Total Solids	25.0 % (non-volatile) minimum
Drying Time	20-30 minutes
Coverage	Up to 5,000 sq.ft. when recoating and 2,500 to 3,500 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: **OPTIBRITE™**

Product Use: *Floor Finish.*

WHMIS CODE: D2B
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

Maxim 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

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

DIPROPYLENE GLYCOL METHYL ETHER	34590-94-8	1.0-5.0	100 ppm	100 ppm

The above item is reported per 40 CFR 372, Section 313 of Emergency Planning and Community Right to Know Act of 1986.

LD50 5430 mg/kg
LD50 9500 mg/kg
LC50 N/A

SECTION 3 – PHYSICAL DATA

Color and Odor: Milky white, characteristic odor.
Physical State: Liquid.
Coeff. Water/Oil Dist: Greater than 1.0

Boiling Point: N/D
Melting Point: N/A
Evaporation Rate: N/D

Vapor Pressure (mm HG): N/D
Vapor Density: N/D
Solubility in Water: Soluble

pH: 8.0 – 8.5
Specific Gravity: 1.04 @ 20°C
Odor Threshold: No Data

SECTION 4 – FIRE AND EXPLOSION HAZARD DATA

Flash Point and Method: None to 100°C
Flammable Limits: None known.
Unusual Fire and Explosion Hazards: None.

Sensitivity to Mechanical Impact: None.
Sensitivity to Static Discharge: None.

Extinguishing Media: Not flammable.
Auto ignition Temperature: None known.
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.
Irritancy of Product: May be irritating to skin and eyes.
Sensitization: None known.
Name of Toxicological Synergistic Product: None known.

Teratogenicity: None known.

Routes of Entry: Skin, eyes, inhalation.
Carcinogenicity: None known.
Mutagencity: 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: Oct. 3, 2012