



RESTORER

High Speed Restorer

DESCRIPTION

Restorer is formulated to enhance any of M-chem's floor finish products to their original gloss. It fills in the scratches and scuffs for a smoother shine while hydrating and lubricating the finish for superior burnishing.

Restorer is engineered with highly specialized ester-groups that actually repel heel marks. Rather than being drawn into the finish as in the case with most conventional products, **Restorer** keeps them just resting on the surface where they wipe right off with one of our electrolytic based cleaning products... this saves you time and money!

DIRECTIONS

Frequency:

Use **Restorer** once or twice a month for light to moderate traffic floors, weekly for moderate to heavy traffic surfaces, and once or twice weekly for very heavy traffic areas.

Preparation:

Dust mop entire floor surface. To remove embedded dirt, use *NeutraMax* with an auto scrubber. Refer to label for specific directions.

Dilution ratios:

Mop On: 1 part **Restorer** to 4 parts water.

Spray Buff: 1 part **Restorer** to 6 parts water.

Mop on or spray buff application:

Apply **Restorer** at the proper dilution with a clean mop. For best results, burnish immediately after drying with ultra high-speed equipment. For spray buff applications, mist floor lightly with proper dilution and buff immediately.

Contact your M-chem representative or distributor for burnishing pad recommendations.

PHYSICAL DATA

Product Color	Opaque blue
Film Color	Clear, colorless
pH	8.0 – 8.5
Performance	Excellent scuff resistance, scrubability and black mark resistance.

Durable. Reliable. Long lasting. Commercial floor finish.

MATERIAL SAFETY DATA SHEET

SECTION 1 – PRODUCT/MANUFACTURER'S IDENTITY

Product Name: **RESTORER**

WHMIS CODE: D2B

HMIS

Product Use: *Floor finish restorer*

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=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
DIBUTYL PHTHALATE	84-74-2	1.0-5.0	5 mg/m3	5 mg/m3
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	>20 ml/kg (Rabbit)			
LC50	2500 mg/m3, 2hrs. (Mouse)			
DIETHYLENE GLYCOL METHYL ETHER	111-77-3	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	>7000 mg/kg			
LD50	20 ml/kg (Rabbit)			
LC50	N/D			

SECTION 3 – PHYSICAL DATA

Color and Odor: Light blue, 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: 1.034 @ 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: Carbon Oxides and other toxic/irritating organic fumes.
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 and oxidizing agents.
Hazardous Decomposition Products: Carbon oxides and other noxious 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: Irritating to skin and eyes. **Carcinogenicity:** None known.
Sensitization: None known. **Mutagenicity:** None known.
Reproductive Toxicity: None known. **Teratogenicity:** None known.
Name of Toxicological Synergistic Product: None known. **Effects of Chronic Exposure:** None known.
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 for prolonged or repeated exposure.
Eye Protection: Safety glasses or goggles.
Protective Clothing and Equipment: Long sleeve coveralls. Eye wash recommended in the immediate work area.
Storage and Handling Procedures: Use good industrial hygiene. Do not get in eyes. Avoid contact with skin and clothing. Avoid breathing sprays or mists. Store in a cool, dry place away from incompatibles. Keep container closed when not in use. Do not mix with any other chemicals. Store at temperatures below 30°C (86°F) and keep from freezing.
Disposal Procedures for Spills or Leaks: Wear protective equipment. Dike and contain large spills. Pump spills into an approved waste container. For small spills, soak up with a suitable absorbent such as clay, soil or commercially available absorbents, and then dispose of into an approved waste container. Keep away from sewers and out of natural waters.
Waste Disposal Method: Reuse if possible, or otherwise dispose of in accordance with all local, provincial or federal regulations.
Special Shipping Information: Store at temperature below 30°C (86°F). 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: 11/27/09
THE INFORMATION PROVIDED IN THIS MATERIAL SAFETY DATA SHEET HAS BEEN OBTAINED FROM CURRENT SOURCES AND IS BELIEVED TO BE RELIABLE