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## ***MF PREMIUM*** **Marble Finishing Powder**

### **Product Description**

***MF PREMIUM*** provides a high level of shine on any marble, terrazzo and other calcium containing stone surfaces. It can be used as an alternative to liquid crystallizers or in combined use with them. While most crystallization products make only a chemical reaction with the floor, ***MF PREMIUM***'s active particles provides abrasive grits that achieves the shine upon mechanical and chemical reaction with the floor.

For badly worn surfaces, consult your KLENCO representative.

### **Areas of Use**

For marble, terrazzo and other calcium containing stone surfaces only.

### **Special Features**

- Easy to use powder form, no pre-mixing necessary.
- Works with standard equipment.
- Cost effective with excellent coverage at approx 50m<sup>2</sup>/kg
- Restores shine naturally.
- Removes light scratches.

### **Directions for Use**



- Make sure the surface is clean and dry before using ***MF PREMIUM***.
- Do not mix or dilute it with other products.
- Before applying ***MF PREMIUM***, protect acid-sensitive areas such as plastic, metallic, carpet, wood, brass and glass surfaces.
- Apply a small quantity of ***MF PREMIUM*** on the floor (approx. 20gm/m<sup>2</sup>). Add some water to create a paste. Spread it with a floor machine fitted with a white nylon pad. Move the machine several times over the area until desired shine is achieved.
- For optimal results, use a heavy duty rotary machine (at least 38kg and 140rpm).
- If the paste becomes too dry, add a little water to dissolve the product. If it remains too liquid, use the other side of the pad to treat the area, drying the excess liquid.
- When shine is achieved, vacuum excess mixture, rinse with clean water and vacuum again.

Note: Always test in inconspicuous area prior to use.

### **Precautions**

This product is corrosive. Avoid ingestion, inhalation, eye and skin contact. Flush or dilute with cold water if contacted in any way, and seek medical help if ingested, inhaled or contacted with eye.

# SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION				
<b>Product Identifier:</b> MF PREMIUM		<b>Supplier:</b> Klenco (Singapore) Pte Ltd.		
<b>Other means of identification:</b> Marble Finishing Powder		<b>Address:</b> 18 Gul Crescent, Singapore 629527		
<b>Date of SDS:</b> 1 January 2022		<b>Department:</b> Chemical		
<b>Recommended use and restriction on use:</b> For marble, terrazzo and other calcium containing stone surfaces only.		<b>Person in Charge:</b> Chemist		
		<b>Phone:</b> (65) 6862 3388		
		<b>Fax:</b> (65) 6861 7575		
		<b>Email:</b> info@klenco-asia.com		
		<b>Emergency contact:</b> (65) 6862 3388 Ext 249		
SECTION 2 - HAZARDS IDENTIFICATION				
<b>GHS classification:</b> Acute toxicity: Category 4 Skin corrosion: Category 1, Eye damage: Category 1				
<b>GHS label elements:</b> Pictogram:		<b>Signal Words:</b> Danger		
 				
<b>Hazard statements:</b>	H302: Harmful if swallowed H314: Causes skin burns & eye damage			
<b>Precaution statements:</b>	P102: Keep out of reach of children. P262: Do not get in eyes and on skin. P280: Wear protective clothing.			
SECTION 3 - COMPOSITION/ INFORMATION ON INGREDIENTS				
Chemical Identification	Component & Composition	Chemical Formula	CAS NO.	EC NO.
Oxalic Acid	< 50 %	C2H2O4	144-62-7	205-634-3
SECTION 4 – FIRST AID MEASURES				
<b>Inhalation:</b>	Move to area of fresh air. If breathing has stopped, artificial respiration should be started. Oxygen may be administered if available. Call a physician. Never give anything by mouth to an unconscious person.			
<b>Skin contact:</b>	Wash with large amounts of soap and water. If irritation persists, consult a physician.			
<b>Eye contact:</b>	Flush with cool water for at least 15 minutes. Then consult a physician immediately.			
<b>Ingestion:</b>	Induce vomiting. Dilute by drinking water. Call a physician immediately.			
<b>Notes to Physicians:</b>	Treatment should be directed at preventing absorption, administering to symptoms (if they occur), and providing supportive therapy.			
SECTION 5 – FIRE-FIGHTING MEASURES				
<b>Suitable fire-extinguishing media:</b>	None			
<b>Specific hazards arising from the chemical:</b>	Burning can produce carbon dioxide and carbon monoxide.			
<b>Special protective actions for fire fighters:</b>	Fire fighters may be exposed to the products of combustion should wear a self-contained breathing apparatus with full protective equipment			
SECTION 6 - ACCIDENTIAL RELEASE MEASURE				
<b>Personal precautions, protective equipment, and emergency measure:</b> Use proper protective equipment (chemical protection suit, gloves, goggles, mask, etc).				
<b>Environmental precautions:</b> Chemical substance should not be released into the environment (water, soil).				
<b>Methods and materials for containment and cleaning up:</b> Safely stop discharge. Contain material, as necessary, with dike or barrier. Stop material contaminating soil or from entering sewers or bodies of water. Provide ventilation. Cover spills with absorbent clay, sawdust, inert material, soda ash, slaked lime and place in closed chemical waste containers. Dispose of according to applicable local, state and federal regulations.				
SECTION 7 - HANDLING AND STORAGE				
<b>Precaution for safe handling:</b> Wash thoroughly after handling, especially before eating and drinking. Wash contaminated goggles, face-shield, and gloves. Launder contaminated clothing before re-use.				
<b>Conditions for safe storage, including any incompatibilities:</b> This product is a corrosive. Store in cool, dry, well-ventilated area at room temperature. Keep away from strong acids and oxidizing agents especially chlorine releasing agents. Handle all containers carefully. Do not throw or roll on the ground to prevent damage containers. No other special precautions are needed for this product, as it is a mixture. Follow good manufacturing and handling practices. Do not re-use empty container for food, clothing or products for human or animal consumption or where skin contact can occur.				

<b>SECTION 8 - EXPOSURE CONTROLS/ PERSONAL PROTECTION</b>	
<b>Control parameters/ Occupational exposure limits:</b>	ACGIH - TLV: Provide suitable personal protective equipment and/or ventilation to reduce exposure levels.
<b>Appropriate engineering control measures:</b>	Normal ventilation is sufficient.
<b>Personal Protection:</b>	Use the protective equipment such as Rubber/PVC gloves and safety glasses/goggles if splashing anticipated.
<b>SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES</b>	
<b>Appearance &amp; Odour:</b>	Yellowish powder with characteristic odour.
<b>Solubility in water:</b>	Partial.
<b>Boiling Point:</b>	149 to 160 deg C
<b>Specific Gravity:</b>	N.D
<b>PH:</b>	~ 1.0 +/- 0.5 (50gm / Litre of water)
<b>Flash Point (T.C.C.):</b>	None to Boiling <b>Flammable Limits - Upper:</b> N.A <b>Lower:</b> N.A
<b>Vapour Pressure:</b>	None.
<b>Vapour Density:</b>	None.
<b>SECTION 10 - STABILITY AND REACTIVITY</b>	
<b>Reactivity/ In compatible materials:</b>	Strong alkali and oxidizing materials.
<b>Chemical stability:</b>	Stable under normal temperature and pressure.
<b>Possibility of hazardous reaction:</b>	Will not occur.
<b>Condition to avoid:</b>	None.
<b>SECTION 11 – TOXICOLOGICAL INFORMATION</b>	
<b>Acute toxicity: Oral:</b>	Ingestion of high amount of product could be fatal.
<b>Skin or eye irritation:</b>	This product contains material that may cause burns and irritation to eyes and/or skin.
<b>SECTION 12 – ECOLOGICAL INFORMATION</b>	
<b>Toxicity:</b>	Concentrations with a pH value of 6.0 or lower especially in fresh water may be fatal to fish and other aquatic organism. Can cause damage to aquatic plants and vegetation.
<b>Bioaccumulative potential:</b>	It is only slightly soluble in water. Will appear as un-dissolved substances when washed away.
<b>Persistence and degradability:</b>	As above.
<b>SECTION 13 – DISPOSAL CONSIDERATIONS</b>	
<b>Disposal:</b>	Dispose off in an approved waste facility according to local regulations.
<b>General Recommendations:</b>	Of the methods of disposal currently available, it is recommended that an alternative be selected according to the following order of preference, based upon environmental acceptability: (1) Re-cycle or rework, if feasible (2) Incinerate at an authorized facility (3) treat at an acceptable waste treatment facility.
<b>SECTION 14 – TRANSPORT INFORMATION</b>	
Hazard Class: 6.1 UN Number: 2811. HS Code: 34059090	
<b>SECTION 15 – REGULATORY INFORMATION</b>	
<b>International regulation:</b>	
<b>Classification:</b>	This product is hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29CFR 1910.1200.
<b>Risk phrases:</b>	R22      Harmful if swallowed R34      Causes burns
<b>Safety phrases:</b>	S02      Keep out of reach of children S24/25      Avoid contact with eyes and skin S36      Wear suitable protective clothing
<b>SECTION 16 – OTHER INFORMATION</b>	
<b>Hazard Rating: HMIS (Hazardous Materials Information System)</b>	
<b>HEALTH:                      2</b>	
<b>FLAMMABILITY:        0</b>	
<b>REACTIVITY:            1</b>	
<b>0=Minimal, 1=Slight, 2=Moderate, 3=Serious, 4=Extreme</b>	

**NOTICE:** SDS is correct at date of publication. It is not necessarily fully adequate for every circumstance, nor to be confused with or followed in violation of applicable laws or insurance requirements. Health hazards and effects of over-exposure apply only to negligent handling or misuse of product in its concentrated form (as supplied); and not routine exposure to diluted product under normal use. No warranty, express or implied, of merchantability, fitness or accuracy of data is made; as such the vendor assumes no responsibility for injury or damages resulting from use of this product.