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cleaner environment

## ***GF POWDER & GF SOLUTION*** **Granite Finishing Powder & Granite Finishing Solution**

### **Product Description**

***GF POWDER & GF SOLUTION*** must be used together to repair and achieve a perfect shine on granite surfaces. Without the need for grinding, these two chemicals recover the original shine of the previously polished granite surfaces and retrieves about 60% of the original shine when the floor has not been previously polished.

For regular maintenance, apply ***GF SOLUTION*** to keep a high level of shine on previously treated granite surfaces.

### **Areas of Use**

Suitable for all kinds of granite surfaces.

### **Special features**

- Provides a durable shine resistant to high traffic.
- Gives non-slip properties to flooring.
- Useful for both initial treatment and periodical maintenance
- Reduced cost per m<sup>2</sup>.
- Repairs light scratches.

### **Directions for use**

- Ensure that the surface is clean and dry.
- Shake the products before use.
- Mix approximately 20gm of ***GF POWDER*** with 25ml of ***GF SOLUTION*** and stir until a consistent paste is obtained.
- Spread the paste over an area of approximately 1m<sup>2</sup> using a rotary machine.
- Use a heavy duty polishing machine (at least 38kg and 140rpm) for optimal results.
- For dark granites, fit the machine with a "0" grade steel wool pad (fine).
- For medium or light coloured granites, use a white pad.
- Continue scrubbing until the floor is dry and desired shine level is achieved.
- For an ultra-shiny finish, re-apply ***GF SOLUTION*** with a "0" grade steel wool pad (fine).
- After shine is achieved, vacuum excess mixture, rinse with clean water and vacuum again.
- Coverage: Depending on the extent of wear and porosity of the stone, a 100m<sup>2</sup> area requires approximately 2kg of ***GF POWDER*** and 5lt of ***GF SOLUTION*** (presuming two applications of ***GF SOLUTION***).

Note: Always test on an inconspicuous area prior to use.

### **Precautions**

These two products are acidic. Avoid ingestion, inhalation, eye and skin contact. Flush or dilute with cold water if contacted in any way and seek medical help if ingested or irritation in eye persists.

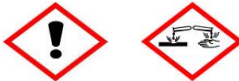
**KLENCO (SINGAPORE) PTE LTD**

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Company Registration No: 197100402R

**KLENCO products are used in over 20 countries across Asia, the Middle East, Europe and Africa**

SKC606- GF POWDER  
SKC607- GF SOLUTION


# SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION				
<b>Product Identifier:</b> GF POWDER		<b>Supplier:</b> Klenco (Singapore) Pte Ltd. <b>Address:</b> 18 Gul Crescent, Singapore 629527 <b>Department:</b> Chemical		
<b>Other means of identification:</b> Granite Finishing Powder		<b>Person in Charge:</b> Chemist		
<b>Date of SDS:</b> 1 January 2022		<b>Phone:</b> (65) 6862 3388		
<b>Recommended use and restriction on use:</b> Suitable for all kinds of granite surfaces.		<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 and eye damage			
<b>Precaution statements:</b>	P102 Keep out of reach of children. P233: Keep container tightly closed. P262: Do not get in eyes and on skin.			
SECTION 3 - COMPOSITION/ INFORMATION ON INGREDIENTS				
Chemical Identification	Component & Composition	Chemical Formula	CAS NO.	EC NO.
Tin Oxide	< 50.0 %	SnO	21651-19-4	244-499-5
Aluminum Oxide	< 50.0 %	Al <sub>2</sub> O <sub>3</sub>	1344-28-1	215-691-6
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>	Drink 250ml of milk immediately and induce vomiting. 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 - ACCIDENTAL 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 from contaminating soil or from entering sewers or bodies of water. Provide ventilation. Recover spills with Dustpan 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 corrosive. Store in cool, dry, well-ventilated area at room temperature. Keep away from strong alkalis and oxidizing agents especially chlorine releasing agents. Handle all containers carefully. Do not throw or roll on the ground to prevent damage to 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>	White powder.
<b>Solubility in water:</b>	Not soluble.
<b>Melting Point:</b>	1800 deg C
<b>Density:</b>	1.02 to 1.05 g/cm <sup>3</sup>
<b>PH:</b>	~ 1.0 +/- 0.5 (50gm / Lt water)
<b>Flash Point (T.C.C.):</b>	None to Boiling
<b>Vapour Pressure:</b>	None
<b>Vapour Density:</b>	None
<b>Flammable Limits - Upper:</b>	N.A
<b>Flammable Limits - Lower:</b>	N.A
<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 product is harmful.
<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 not soluble in water. Do not pour out in drains or in the environment. Dispose off by authorize waste disposal collector.
<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>SECTION 14 – TRANSPORT INFORMATION</b>	
This material is non-regulated and no special requirement is necessary. HS Code: 34059090	
<b>SECTION 15 – REGULATORY INFORMATION</b>	
<b>International regulation:</b>	
<b>Classification:</b>	Symbol of Harmful is required.
<b>Risk phrases:</b>	R22 Harmful if swallowed R34 Causes burns
<b>Safety phrases:</b>	S02 Keep out of reach of children S07 Keep container tightly closed S24/25 Avoid contact with eyes and skin
<b>SECTION 16 – OTHER INFORMATION</b>	
<b>Hazard Rating: HMIS (Hazardous Materials Information System)</b>	
<b>HEALTH: 1</b>	
<b>FLAMMABILITY: 0</b>	
<b>REACTIVITY: 2</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.

# SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION				
<b>Product Identifier:</b> GF SOLUTION		<b>Supplier:</b> Klenco (Singapore) Pte Ltd. <b>Address:</b> 18 Gul Crescent, Singapore 629527 <b>Department:</b> Chemical <b>Person in Charge:</b> Chemist		
<b>Other means of identification:</b> Granite Finishing Solution		<b>Phone:</b> (65) 6862 3388		
<b>Date of SDS:</b> 1 January 2022		<b>Fax:</b> (65) 6861 7575		
<b>Recommended use and restriction on use:</b> Suitable for all kinds of granite surfaces.		<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 3 Skin corrosion: Category 1, Eye damage: Category 1				
<b>GHS label elements:</b> Pictogram:		<b>Signal Words:</b> Danger		
				
<b>Hazard statements:</b> H301: Toxic if swallowed H314: Causes skin burns and eye damage H315/320: Causes skin/eye irritation				
<b>Precaution statements:</b> P102 Keep out of reach of children. P233: Keep container tightly closed. P262: Do not get in eyes and on skin.				
SECTION 3 - COMPOSITION/ INFORMATION ON INGREDIENTS				
<b>Chemical Identification</b>	<b>Component &amp; Composition</b>	<b>Chemical Formula</b>	<b>CAS NO.</b>	<b>EC NO.</b>
Magnesium Fluosilicate	< 35.0 %	MgF <sub>2</sub> Si <sub>6</sub>	16949-65-8	241-022-2
<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> Drink 250ml of milk immediately and induce vomiting. 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 from 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 to 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>	Yellow liquid.
<b>Solubility in water:</b>	Complete.
<b>Boiling Point:</b>	< 100 deg C
<b>Specific Gravity:</b>	1.100 +/- 0.02 g/cm <sup>3</sup>
<b>PH:</b>	~ 1.5 +/- 0.5
<b>Flash Point (T.C.C.):</b>	None to Boiling
<b>Flammable Limits - Upper:</b>	N.A
<b>Flammable Limits - 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 soluble in water. Do not pour out in drains or in the environment. Dispose off by authorize waste disposal collector.
<b>Persistence and degradability:</b>	As above.
<b>SECTION 13 – DISPOSAL CONSIDERATIONS</b>	
Dispose off in an approved waste facility according to local regulations.	
<b>SECTION 14 – TRANSPORT INFORMATION</b>	
This product is not considered as dangerous for transport. No special transport requirement. HS Code: 34059090	
<b>SECTION 15 – REGULATORY INFORMATION</b>	
<b>International regulation:</b>	
<b>Classification:</b>	This product contains Magnesium Fluorosilicate that is classified as a Corrosive material.
<b>Risk phrases:</b>	R25 Toxic if swallowed R34 Causes burns R36/38 Irritating to eyes and skin
<b>Safety phrases:</b>	S02 Keep out of reach of children S07 Keep container tightly closed S24/25 Avoid contact with eyes and skin
<b>SECTION 16 – OTHER INFORMATION</b>	
<b>Hazard Rating: HMIS (Hazardous Materials Information System)</b>	
<b>HEALTH: 1</b>	
<b>FLAMMABILITY: 0</b>	
<b>REACTIVITY: 2</b>	
<b>0=Minimal, 1=Slight, 2=Moderate, 3=Serious, 4=Extreme</b>	

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