

KLEN 898 Acidic Floor Renovator

Product Description

KLEN 898 is a blend of acids and surfactants that provide maximum cleaning efficacy to rid rust stains and hard scales from mosaic and concrete surfaces.

Areas of Use

KLEN 898 can be used on mosaic, cement, concrete and many metal surfaces for the <u>one-time</u> removal of rust stains and scale.

Special Features

- Optimum blend of acids and surfactants for maximum cleaning power.
- High viscosity enables "cling on" effect to effectively clean vertical surfaces.
- Concentrated for greater economy, dilutable for different applications.

Directions for use

Dilute with water. Dilution rates may vary, general guidelines are:

- Heavy scale dilute 1:1
- Medium scale / rust deposits dilute 1:4
- Light rust stains / oil deposits dilute 1:8

Apply with mop, cloth or acid proof sprayer and allow reaction on surface for 1-2 minutes. Scrub briskly with nylon pad or stiff brush, then flush well with water. Cleaned surface should be neutralized and maintained regularly with an alkaline detergent such as *KLEN 1101*.

NOTE: Use **KLEN 898** for one time use only on severe build-up, and not as a regular cleaning solution. It will etch marble, terrazzo, and other types of smooth or polished surfaces. If unsure about suitability of product, test on an inconspicuous spot first.

Precaution

This product is acidic. Avoid ingestion, inhalation, eye and skin contact. Wear rubber gloves, protective clothing and provide adequate ventilation when handling. Flush or dilute with water if contacted in any way, and seek medical help if ingested, inhaled, or contacted with eye.

SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION						
Product Identifier KLEN 898		Supplier: Klenco (Singapore) Pte Ltd.				
		Address: 18 Gul Crescent, Singapore 629527				
			Department: Chemical			
Other means of identification: Acidic Floor Renovator			Person in Charge: Chemist			
Date of SDS: 01 January 2024			Phone: (65) 6862 3388			
	triction on use: KLEN 898 can b		Fax: (65) 6861 7575			
mosaic, cement, concrete and many metal surfaces for the one time			Email: info@klenco-asia.com			
removal of rust stains and scale.			Emergency contact: (65) 6862 3388 Ext 249			
SECTION 2 - HAZARDS IDENTIFICATION						
GHS classification: Acute toxicity: Oral: Category 3;						
Skin irritation: Category 1; Eye irritation: Category 1						
GHS label elements: Pictog	ram:		Signal word:	Danger		
		R.				
	\sim \sim					
	H301: Toxic if swallowed.					
	H314: Causes skin burns & eye da					
	P233: Keep container tightly close					
P280: Wear protective gloves and clothing.						
	ON 3 - COMPOSITION/ IN					
Chemical Identification	Component & Composition	Chemical	Formula	CAS NO.	EC NO.	
Hydrochloric Acid	< 9.0 %	HCI		7647-01-0	231-595-7	
Hydrofluoric Acid	< 2.0 %	HF		7664-39-3	231-634-8	
Bis(2-hyroxyethyl) Tallow	< 1.0 %	C4H11NO	2	61791-44-4	263-177-5	
Alkylamine						
Red Dye	< 0.01 %	CI 14720		3567-69-9	222-657-4	
Water	> 80.0 %	H ₂ O		7732-18-5	231-791-2	
	SECTION 4 – FIRS	ST AID ME	EASURES			
Inhalation: Move to area of fresh air. If breathing has stopped, artificial respiration should be started. Oxygen may be						
administered if available. Call	l a physician. Never give anything	by mouth to	an unconscious per	son.		
Skin contact: Wash with large amounts of soap and water. If irritation persists, consult a physician.						
Eye contact: Flush with cool water for at least 15 minutes. Then consult a physician immediately.						
Ingestion: Induce vomiting. Dilute by drinking water. Call a physician immediately.						
Notes to Physicians: Treatment should be directed at preventing absorption, administering to symptoms (if they						
occur), and providing supportive therapy.						
SECTION 5 – FIRE-FIGHTING MEASURES						
Suitable fire-extinguishing media: Water, dry chemical, fog and foam.						
Specific hazards arising from the chemical: Burning can produce carbon dioxide, carbon monoxide and						
traces of nitrogen oxides.						
Special protective actions for fire fighters: 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						
Personal precautions, protective equipment, and emergency measures: Use proper protective equipment (chemical						
protection suit, gloves, goggles, mask, etc).						
Environmental precautions: Chemical substance should not be released into the environment (water, soil).						
Methods and materials for containment and cleaning up: 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 optimum ventilation.						
Cover spills wit 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 - HANDL	ING AND) STORAGE			
Precaution for safe handling	g: Handle all containers carefully.			l to prevent dama	ae to	
	recautions are needed for this prod					
	fter handling, especially before eat					
gloves. Launder contaminated clothing before re-use.						
	, including any incompatibilities:	: This produc	t is a corrosive liquid	d. Store in a cool,	dry, well-	
ventilated area at room tempe	ventilated area at room temperature. Keep away from strong alkalis and oxidizing agents, especially chlorine releasing agents.					
Do not re-use empty container for food, clothing or products for human or animal consumption or where skin contact can occur.						

Control parameters/ Occupational exposure limits: ACGIH - TLV: Provide suitable personal proteive equipment and/or venitation to maintain exposure below TLV levels. Appropriate engineering control measures: Local exhaust venitation is usually required, when vapours, mist, or dusts can be released. Personal Protection: Use the protective equipment such as rubber/PVC gloves; protective glasses if splashing is anticipated. SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES Appearance & Odour: Clear light pink liquid with slightly pungent odour. Solubility in water: Complete. Boiling Point: 100 ° C Specific Gravity: 1.040 +/-0.05 g/cm ³ PH: 1.5 +/-0.5 Flash Point (T.C.c.): Note to boiling Vapour Pressure: Not determined Vapour Density: Not determined Vapour Density: Not determined SecTION 10 - STABILITY AND REACTIVITY Reactivity/ In compatible materials: Stone regulared and to the applicable Condition to avoid: Not applicable SECTION 11 - TOXICOLOGICAL INFORMATION Acute toxicity: Oral: Ingestion of high amount of product is fatal. Shin or eye irritation: This product contains Addic material that	SECTION 8 - EXPOSURE CONTROLS/ PERSONAL PROTECTION					
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Acute toxicity: Oral: Ingestion of high amount of product is fatal. Skin or eye irritation: This product contains Acidic material that will cause burns and intense irritation to eyes and/or skin. SECTION 12 – ECOLOGICAL INFORMATION Toxicity: 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. Persistence and degradability: Product degrades readily by reaction of carbon dioxide in the air as well as decomposition by microorganism. Bioaccumulative potential: It is soluble in water and does not bio-accumulate. Section 13 – DISPOSAL CONSIDERATIONS Disposal method: Dispose of in an approved waste facility according to local regulations. 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. SECTION 14 – TRANSPORT INFORMATION International regulation: Classification: Colsocial requirement is necessary. HS Code: 34024100 SECTION 15 – REGULATORY INFORMATION International regulation: Classification: Classification: This product contains Hydrochloric Acid as an ingredient that is classified as Corrosive under EC Classificatio						
Skin or eye Irritation: This product contains Acidic material that will cause burns and intense irritation to eyes and/or skin. SECTION 12 – ECOLOGICAL INFORMATION Toxicity: 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. Persistence and degradability: Product degrades readily by reaction of carbon dioxide in the air as well as decomposition by microorganism. Bioaccumulative potential: It is soluble in water and does not bio-accumulate. SECTION 13 – DISPOSAL CONSIDERATIONS Disposal method: Disposal method: Disposal method: 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: (1) Re-cycle or rework, if feasible (2) Incinerate at an authorized facility (3) Treat at an acceptable waste treatment facility: (3) Treat at an acceptable Material is non-regulated and no special requirement is necessary. HS Code: 34024100 Disposal regulation: Classification: This product contains Hydrochloric Acid as an ingredient that is classified as Corrosive under EC Classification. Classification:		SECTION 11 – TOXICOLOGICAL INFORMATION				
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HEALTH: 1 FLAMMABILITY: 0						
0=Minimal, 1=Slight, 2=Moderate, 3=Serious, 4=Extreme	HEALTH: 1 FLAMMABILITY: 0 REACTIVITY: 1					

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.