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POWER BRITE
General Acidic Cleaner

Product Description
POWER BRITE is a medium strength acidic cleaner with surfactants for removal of oxides, rust stains, fungus and light oil deposits from concrete, mosaic, and quarry tiles on floors and walls.

Applied properly and with care, ***POWER BRITE*** can also be used to clean and brighten certain aluminum and stainless-steel surfaces.

Special Features
- Efficient and economical removal of rust, oxides, deposits, and most other heavy stains.
- Suited for more regular usage than most acidic cleaners, care must still be exercised.

Directions for use
- Dilute with 3 to 8 parts of cold water, depending on amount of oxide film, grease and soil to be cleaned from the surface. Add product to water and not vice versa.
- Apply by mop, brush or acid-resistant sprayer. Start with a small central area of total surface and work outwards. Let solution act on the surface for 1 to 2 minutes then agitate briskly with a brush or scrubbing machine. Flush thoroughly with water. Do not let the solution dry on the surface.
- Renovated surface should be regularly maintained with an alkaline detergent, such as ***EASY CLEAN*** or ***ACTION 130***.
- ***POWER BRITE*** may be used to clean and brighten certain grades of stainless steel and aluminum. Consult your KLENCO representative or distributor for usage directions. Incorrect use will result in damage to the surface.

*Note: **POWER BRITE** will etch marble, terrazzo and other types of smooth or polished surfaces. If unsure about suitability of **POWER BRITE**, test on an inconspicuous spot to ascertain if surface is adversely affected.*

Precautions
This product is acidic. Avoid ingestion, inhalation, skin, and eye contact. Do not use bare hands to handle this product, wear rubber gloves and protective clothing when handling. If ingested, consume large amounts of cold water to dilute. If product contacts skin or eyes, flush thoroughly with cold water and seek medical help as soon as possible. Allow for adequate ventilation when using. Store in a cool place and keep container sealed.

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SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION

Product Identifier: POWER BRITE

Other means of identification: General Acidic Cleaner

Date of SDS: 01 January 2026

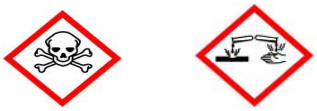
Recommended use and restriction on use: POWER BRITE is for removal of oxides, rust stains, fungus and light oil deposits from concrete, mosaic, and quarry tiles on floors and walls.

Supplier: Klenco (Singapore) Pte Ltd.
Address: 18 Gul Crescent, Singapore 629527
Department: Chemical
Person in Charge: Chemist
Phone: (65) 6862 3388
Fax: (65) 6861 7575
Email: info@klenco-asia.com
Emergency contact: (65) 6862 3388 Ext 249

SECTION 2 - HAZARDS IDENTIFICATION

GHS classification: Acute toxicity: Category 3;
Skin corrosion: Category 1; Serious eye damage: Category 1

GHS label elements: Pictogram: Signal Words: Danger



Hazard statements: H301: Toxic if swallowed.
H314: Causes skin burns and eye damage.

Precaution statements: P201: Obtain special instructions before use.
P233: Keep container tightly closed.
P280: Wear protective gloves/ protective clothing/ eye protection/ face protection.

SECTION 3 - COMPOSITION/ INFORMATION ON INGREDIENTS

Chemical Identification	Component & Composition	Chemical Formula	CAS NO.	EC NO.
Phosphoric Acid	< 20.0 %	H3PO4	7664-38-2	231-633-2
Hydrofluoric Acid	< 1.9 %	HF	7664-39-3	231-634-8
Alkyl Dimethylamine Oxide	< 2.0 %	$C_{15}H_{33}NO$	70592-80-2	274-687-2
Nonyl Phenol Ethoxylate	< 2.0 %	$C_{33}H_{60}O_{10}$	26571-11-9	247-816-5
Water	> 70.0 %	H_2O	7732-18-5	231-791-2

SECTION 4 – FIRST AID MEASURES

Inhalation: 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.

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 alcohol foam.

Specific hazards arising from the chemical: Burning can produce carbon dioxide, carbon monoxide and traces of phosphoric 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 substances 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. Stop discharge, if safe to do so. 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

Precautions for safe handling: Wash thoroughly after handling, especially before eating and drinking. Wash contaminated goggles, face-shield, and gloves. Launder contaminated clothing before re-using.

Conditions for safe storage, including any incompatibilities: This product is a corrosive liquid. Store in a cool, dry, well-ventilated area at room temperature. Keep away from strong alkalis and oxidizing agents, especially chlorine releasing agents. Do not re-use empty containers for food, clothing or products for human or animal consumption or where skin contact can occur.

SECTION 8 - EXPOSURE CONTROLS/ PERSONAL PROTECTION

Control parameters/ Occupational exposure limits: **ACGIH - TLV:** Provide suitable personal protective equipment and/or ventilation to maintain exposure below TLV levels.

Appropriate engineering control measures: Local exhaust ventilation usually required, when vapours, mist, or dusts can be released.

Personal Protection: Use protective equipment such as rubber/PVC gloves, safety glasses/goggles.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance & Odour:	Clear amber liquid with suffocating odour.
Solubility in water:	Complete.
Boiling Point:	100 ^{0} C
Specific Gravity:	1.090 +/- 0.005 g/cm^3
PH:	< 4.0
Flash Point (T.C.C.):	None to boiling **Flammable Limits - Upper:** Not applicable **Lower:** Not applicable
Vapour Pressure:	Not determined
Vapour Density:	Not determined

SECTION 10 - STABILITY AND REACTIVITY

Reactivity/ In compatible materials: Strong alkalis and oxidizing materials.

Chemical stability: Stable under normal temperature and pressure.

Possibility of hazardous reaction: Will not occur.

Condition to avoid: Not applicable

SECTION 11 – TOXICOLOGICAL INFORMATION

Acute toxicity: Oral: Ingestion of high amount of product may be 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 organisms. It 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

This material is non-regulated and no special requirement is necessary.
HS Code: 34024290

SECTION 15 – REGULATORY INFORMATION

International regulation:

Classification:	This product contains hydrofluoric acid as an ingredient that is classified as corrosive under EC Classification.	
Risk phrases:	R28	Very toxic if swallowed.
	R34	Causes burns.
Safety phrases:	S07	Keep container tightly closed.
	S18	Handle and open container with care.
	S50	Do not mix with oxidizing materials.

SECTION 16 – OTHER INFORMATION

Hazard Rating: HMIS (Hazardous Materials Information System)
HEALTH: 2
FLAMMABILITY: 0
REACTIVITY: 1
0=Minimal, 1=Slight, 2=Moderate, 3=Serious, 4=Extreme

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.