

POWER BAC

Antibacterial Toilet Bowl Cleaner

Product Description

POWER BAC is formulated with mild mineral acids for maximum stain removal, and thickened to reduce wastage for effective and economical cleaning. It has a broad-spectrum disinfectant that neutralizes most bacteria. **POWER BAC** also has a pleasant masking perfume, making it the ideal product for cleaning, disinfecting and deodorizing toilet bowls and other septic areas.

Areas of Use

POWER BAC can be used with confidence to clean toilet bowls, urinals, gutters and other porcelain septic surfaces.

Special Features

- Combines powerful, acidic cleaning agents and surfactants to remove stubborn stains
- Specially thickened for “clinging” effect to clean vertical surfaces
- Strong disinfectant kills common bacteria found in toilets, yet does not harm septic tanks
- Leaves a fresh, lingering scent after use

Directions for Use

- Flush toilet bowl.
- Pour some **POWER BAC** into bowl, and on surfaces to be cleaned. Allow product to react for 5-10 mins. Then wet toilet brush with bowl water and agitate areas to be cleaned.
- Wash the brush in the bowl and flush again. Rinse area where flush water doesn't reach.
- Follow same procedure of flush, apply chemical, brush / scrub and flush again for cleaning urinal slab, gutter, floors and walls.
- For removing stubborn stains, pour **POWER BAC** onto stain and scrub vigorously with black nylon pad.

Precautions

This product is mildly acidic. Prevent excessive skin contact and excessive inhalation by wearing rubber gloves and ensuring adequate ventilation. Avoid ingestion and eye contact. If product enters eyes, flush thoroughly with cold water and seek medical help as soon as possible. If ingested, consume large amounts of cold water to dilute and seek medical help. Avoid using on plastic, formica, marble or other surfaces susceptible to acids.

SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION

Product Identifier: POWER BAC	Supplier: Klenco (Singapore) Pte Ltd. Address: 18 Gul Crescent, Singapore 629527 Department: Chemical
Other means of identification: Antibacterial Toilet Bowl Cleaner	Person in Charge: Chemist
Date of SDS: 30 June 2011	Phone: (65) 6862 3388 Fax: (65) 6861 7575 Email: www.klenco-asia.com Emergency contact: (65) 6862 3388
Recommended use and restriction on use: POWER BAC can be used with confidence to clean toilet bowls, urinals, gutters and other porcelain septic surfaces.	

SECTION 2 - COMPOSITION/ INFORMATION ON INGREDIENTS

Chemical Identification	Component & Composition	Chemical Formula	CAS NO.	EC NO.
Phosphoric acid	< 2.0 %	H3PO4	7664-38-2	231-633-2
Hydrochloric acid	< 9.0 %	HCl	7647-01-0	231-595-7
Bis(2-hydroxyethyl) tallow alkylamine	< 1.0	C4H11NO2	61791-44-4	263-177-5
Nonyl phenol ethoxylate	< 2.0 %	C33H60O10	9016-45-9	-
Alkylbenzyltrimethylammonium chloride	< 1.0 %	C21H38NCl	68424-85-1	270-325-2
Blue dye	< 0.01 %	-	NA	NA
Perfume	< 0.2 %	-	NA	NA
Water	> 85.0 %	H ₂ O	7732-18-5	231-791-2

SECTION 3 - HAZARDS IDENTIFICATION

GHS classification: Acute toxicity: Category 3 Skin corrosion: Category 1 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 instruction before use. P233: Keep container tightly closed. P280: Wear protective gloves/ protective clothing/ eye protection/ face protection.

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 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 - ACCIDENTAL RELEASE MEASURE

Personal precautions, protective equipment, and emergency measure:	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. Stop discharge, if safe to do so. Use proper protective equipment. 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

Precaution for safe handling:	Wash thoroughly after handling, especially before eating and drinking. Wash contaminated goggles, face-shield, and gloves. Launder contaminated clothing before re-use.
Conditions for safe storage, including any incompatibilities:	This product is a corrosive liquid. Store in 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 container 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 the protective equipment such as rubber/PVC gloves, safety glasses/goggles.		
SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES			
Appearance & Odour:	Pale blue liquid with characteristic odour.		
Solubility in water:	Complete.		
Boiling Point:	100 °C		
Specific Gravity:	1.050 +/- 0.02 g/cm ³		
PH:	1.0 +/- 0.5		
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 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 off 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.			
SECTION 15 – REGULATORY INFORMATION			
International regulation:	This product contains hydrochloric 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: 1			
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.