



better products for a cleaner environment

POWER ENZ

Enzyme Odour Digester

Product Description

POWER ENZ is a synergistic blend of Bacillus spores safe to use bacteria - chosen for their ability to produce enzymes that will digest organic matter that cause foul odours. It also contains a perfume that deodorizes while it works, leaving behind a pleasant fresh fragrance.

Areas of Use

POWER ENZ is ideal for use by itself for treating foul odours in and around urinals, other toilet fixtures, chemical toilets, waste containers, floor traps, animal enclosures. It is also useful as a supplementary product when washing carpets, upholstery and fabrics to break down stains from urine, faeces, vomit, blood, milk, wine, coffee and other organic matter.

Special Features

- High concentration of safe to use bacteria - effective and economical
- Broad spectrum of bacteria - effective against wide range of organic based odours and stains. Contains 27×10^6 cfu / ml of Bacteria counts.
- Environmentally safe- accelerates biodegradability of waste without introducing other chemical pollutants

Directions for Use

As the bacteria spores can settle upon standing, shake well before use.

- For odour control: Pre- clean using **POWER ENZ** at a dilution of 1:20 parts water and then use undiluted to digest the foul odor by spraying liberally on the areas.
- For drain and septic tank maintaining: Initially pour about 1 litre in undiluted form to tank when it is not being used. Then maintain using about 100-200 ml 2 to 3 times per week.
- To remove organic stains on fabric: Use **POWER ENZ** at 1:20 parts water dilution with normal washing procedure with main wash detergent.

Precautions

As with most chemical products, avoid ingestion and eye contact. If ingested, dilute by drinking water and seek medical help immediately. If contact in eyes, wash with plenty of water.

Power Enz_
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KLENCO (SINGAPORE) PTE LTD
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Singapore • China • Malaysia • Thailand • ASEAN • South Asia

SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION				
Product Identifier: POWER ENZ		Supplier: Klenco (Singapore) Pte Ltd. Address: 18 Gul Crescent, Singapore 629527 Department: Chemical Person in Charge: Chemist		
Other means of identification: Enzyme Odour Digester		Phone: (65) 6862 3388 Fax: (65) 6861 7575 Email: www.klenco-asia.com Emergency contact: (65) 6862 3388		
Date of SDS: 30 June 2011		Recommended use and restriction on use: POWER ENZ is ideal for use by itself for treating foul odours in and around urinals, other toilet fixtures, chemical toilets, waste containers, floor traps, animal enclosures. It is also useful as a supplementary product when washing carpets, upholstery, and fabrics to break down stains from urine, faeces, vomit, blood, milk, wine, coffee and other organic matter.		
SECTION 2 - COMPOSITION/ INFORMATION ON INGREDIENTS				
Chemical Identification	Component & Composition	Chemical Formula	CAS NO.	EC NO.
Viable Bacteria Cultures	< 6.0 %	N.A	N.A	N.A
1,2-Benzisothiazolin-3-One	< 0.1 %	C12H8Cl2O2	3380-30-1	429-290-0
Perfume	< 0.3 %	Mixture	N.A	N.A
Water	> 90.0 %	H ₂ O	7732-18-5	231-791-2
SECTION 3 - HAZARDS IDENTIFICATION				
GHS classification: Acute toxicity: Category 4; Eye irritation: Category 2				
GHS label elements: Pictogram:		Signal Words: Warning		
				
Hazard statements: H320: Causes eye irritation Precaution statements: P233: Keep container tightly closed.				
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:	Do not 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, carbon dioxide and foam.			
Specific hazards arising from the chemical:	Burning can produce carbon dioxide and/or carbon monoxide.			
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: Stop spill at source. Contain material, as necessary, with dike or barrier. Mop, shovel or absorb with inert material and place in sound containers. Rinse remaining residue with excess water. Prevent run-off. Cover spills with absorbent clay, sawdust or inert material 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: Store in cool, dry, well-ventilated area at room temperature. 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: None assigned to this mixture.
Appropriate engineering control measures:	Normally ventilation is not required
Personal Protection:	Normally not required. Safety glasses / goggles can be worn if splashing is anticipated.
SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES	
Appearance & Odour:	Cloudy Liquid with pleasant Odour
Solubility in water:	Complete.
Boiling Point:	100 ^o C
Specific Gravity:	1.005 +/- 0.005 g/cm ³
PH:	8.0 /- 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 Acids or Alkali may inactivate biological cultures.
Chemical stability:	Stable under normal temperature and pressure.
Possibility of hazardous reaction:	Will not occur.
Condition to avoid:	Not applicable
SECTION 11 – TOXICOLOGICAL INFORMATION	
Toxicity:	This product contains viable bacteria cultures that are classified as a non-pathogenic. Low toxicity.
SECTION 12 – ECOLOGICAL INFORMATION	
Persistence and degradability:	Product degrades readily by action of 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:	
Classification:	This product has not been allocated any classification.
Risk phrases:	R00 Not required
Safety phrases:	S07 Keep container tightly closed
SECTION 16 – OTHER INFORMATION	
Hazard Rating: HMIS (Hazardous Materials Information System)	
HEALTH:	0
FLAMMABILITY:	0
REACTIVITY:	0
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.