

Safety Data Sheet


PRODUCT AND COMPANY IDENTIFICATION

Section 1	Product Name: Grand Bacteria	Distributor: ENC Nationwide Sdn Bhd
	Description: Anti-bacterial toilet bowl cleaner	Address: B-G-03, Block B, Jalan Bangau 11, Bandar Puchong Jaya, Off Jalan Puchong, Puchong, 47170 Selangor.
	Date of MSDS: 01-January-2025	Tel : 603-8075-5222

INGREDIENTS INFORMATION

Chemical Name/Common Name	%	TLV	Chemical Name/Common Name	%	TLV
Hydrochloric Acid	<9.0	5 ppm	Phosphoric Acid	< 2.0	2.0 mg/m ³
Non-Hazardous Ingredients	85-95				

HAZARDS IDENTIFICATION

Section 3	Emergency Overview :	Corrosive material and will cause burns of skin and eyes if contact, ingestion will cause burns of mucous membrane and internal damaged. Possibly dead. Corneal damage likely if contact with eyes is prolonged. Inhalation of fumes cause irritation to upper respiratory tract and lungs, do not swallow, see 3,5 and 6.	
	Primary Routes of Exposure :	Skin and eyes	
	Eye Contact :	Will cause damage to corneal on prolong contact	
	Skin Contact :	Accidental contact may cause burn and intense irritation.	
	Inhalation :	May cause irritation to upper respiratory tract and lung.	
	Ingestion :	Will cause burns to mucous membrane and internal damage and possibly dead.	
	Target Organs/Chronic Effects :	None known.	
Conditions Aggravated By Exposure :	Exposure to this product is not expected to contribute, worsen or aggravate any pre-existing medical conditions.		

FIRST AID MEASURES

Section 4	Eye Contact :	Flush with cool water for at least 15 minutes. Then consult a physician immediately.
	Skin :	Wash with large amounts of soap and water. If irritation persists, consult a physician.
	Ingestion:	Induce vomiting. Dilute by drinking water. Call a physician immediately.
	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.
	Notes to Physicians:	Treatment should be directed at preventing absorption, administering to symptoms (if they occur), and providing supportive therapy.

FIRE FIGHTING METHODS

Section 5	Flash Point (T.C.C.):	None to Boiling	Flammable Limits - Upper: NA	Lower: NA
	Extinguishing Media:	Water, Dry Chemical, fog and Foam.		
	Special Fire Fighting Procedure :	Fire fighters may be exposed to the products of combustion should wear a self-contained breathing apparatus with full protective equipment.		
	Unusual Fire/Explosion Hazards:	None		
	Hazardous Decomposition Products:	Burning can produce carbon dioxide and/or carbon monoxide and traces of phosphoric oxides.		

ACCIDENTAL RELEASE MEASURES

Section 6	Evacuation:	May be required if handling large amounts of release.
	Containment:	Safety 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.
	Collection And Disposal:	Stop discharge, if safe to do so. Use proper protective equipment. 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 regulation.

HANDLING AND STORAGE

Section 7	Storage Conditions :	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.
	Transfer:	Handle all containers carefully, Do not throw or roll on the ground to prevent damage to containers, no other special precaution are needed for this product as it is a mixture. Follow good manufacturing and handling practices.

Safety Data Sheet

Section 7	Personal Hygiene:	Wash thoroughly with water after handling, especially before eating and drinking. Wash contaminated goggle, face-shield, and gloves, launder contaminated clothing before re-use.
	Empty Container Precautions:	Do not re-use empty container for food, clothing or products of human or animal consumption or where skin contact can occur.

Section 8	EXPOSURE CONTROLS AND PERSONAL PROTECTION	
	Exposure Guidelines:	
	ACGIH - TLV:	Provide suitable personal protective equipment and/or ventilation to maintain exposure below TLV levels.
	Engineering Controls/Ventilation:	Local exhaust ventilation is recommended when vapors, mist, or dusts can be released
	Respiratory Protection :	Normally not required
	Eye Protection:	Safety glasses / goggles.
	Hand Protection:	Rubber / PVC Gloves.
	Other Protective Clothing:	Normal work clothing covering arms and legs if splashing anticipated.

Section 9	PHYSICAL AND CHEMICAL PROPERTIES			
	Appearance & Odour:	Pale green liquid with characteristic odour.	Specific Gravity:	1.050 +/- 0.02 g/cm3
			PH:	1.0 +/- 0.5
	Solubility in water:	Complete.	Vapour Pressure:	Not Determined
	Boiling Point:	100 °C	Vapour Density:	Not Determined

Section 10	STABILITY AND REACTIVITY	
	Chemical Stability:	Stable under normal conditions of use.
	Hazardous Polymerization:	Will not occur.
	Conditions to Avoid:	Not applicable.
	Incompatibility With Other Materials: Strong alkalis and oxidizing materials.	

Section 11	TOXICITY INFORMATION	
	Components:	This product contains acidic material that will cause burns and intense irritation to eyes and skin. Ingestion of high amount of product is fatal.
	Toxicity:	n/a

Section 12	ECOLOGICAL INFORMATION	
	Environmental Fate and Distribution:	It is soluble in water and does not bio-accumulate.
	Persistence and Degradation:	Product degrades readily by reaction of carbon dioxide in the air as well as decomposition by microorganism.

Section 13	DISPOSAL CONSIDERATIONS	
	Disposal:	Dispose off in an approved waste facility according to local regulations.
	General Recommendations: Of the methods of disposal currently available, 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	
	Classification:	This product contains Hydrochloric Acid as an ingredient that is classified as corrosive under EC Classification.
	Ozone Depleting Chemicals:	No regulated ingredients.

Section 16	OTHER INFORMATION	
	Hazard Rating : HMIS HEALTH : 2	FLAMMABILITY : 0 REACTIVITY : 1

Note : MSDS is correct at data 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.