

Safety Data Sheet


PRODUCT AND COMPANY IDENTIFICATION

Section 1	Product Name: Grand C Softener	Distributor: ENC Nationwide Sdn Bhd
	Description: Cement Softener	Address: B-G-03, Block B, Jalan Bangau 11, Bandar Puchong Jaya, off Jalan Puchong, 47170 Selangor.
	Date of MSDS: 01-January-2025	Tel : 603-8075-5222

INGREDIENTS INFORMATION

Section 2	Chemical Name/Common Name	%	TLV	Chemical Name/Common Name	%	TLV
	Hydrochloric Acid	40%		Hydrofluoric Acid	10%	
	Nonylphenol polyethylene glycol ether	5				

HAZARDS IDENTIFICATION

Section 3	Eye Contact :	Will cause burns of eyes.	
	Skin Contact :	Accidental contact will cause burning feels.	
	Inhalation :	Can cause upper respiratory tract and lung's tissue.	
	Ingestion :	Ingestion will cause burns of mucous membrane and internal damage, possibly death.	
	Conditions Aggravated By Exposure :	Exposure to this product will cause burnt of skin and eye.	

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:	Do not 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 occurred), 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 alcohol foam		
	Special Fire Fighting Procedure :	Fire fighters whom may be exposed to the products of combustion should wear a self-contained breathing apparatus with full protective equipment.		
	Unusual Fire/Explosion Hazards:	None		

ACCIDENTAL RELEASE MEASURES

Section 6	Evacuation:	No special procedures are usually necessary.
	Containment:	Safely stop discharge. Contain material, as necessary, with dike or barrier. Stop material from contaminating soil or from entering sewers or bodies of water.
	Collection And Disposal:	Stop discharge, if safe to do so. Use proper protective equipment. Cover spills with absorbent clay, sawdust to inert material and place in closed chemical waste containers. Dispose according to applicable local, state and federal regulations.

HANDLING AND STORAGE

Section 7	Storage Conditions :	This product is a corrosive liquid. Store in cool, dry, well-ventilated area at room temperature. Close the cap at all time to prevent contamination, Keep away from children.
	Transfer:	No special precautions are needed. Follow good manufacturing and handling practices.
	Personal Hygiene:	Wash thoroughly with water after handling, especially before eating and drinking. 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.

EXPOSURE CONTROLS AND PERSONAL PROTECTION

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Section 8	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.
	Eye Protection:	Acid proof Safety glasses/ goggles
	Hand Protection:	Rubber/ PVC Gloves
	Other Protective Clothing:	Normal work clothing covering arms and legs.
Section 9	PHYSICAL AND CHEMICAL PROPERTIES	
	Appearance & Odour:	White Clear Liquid w suffocating odor
	Solubility in water:	Complete
	Boiling Point:	100 ° C
	Specific Gravity:	1.135 +/- 0.005 g/cm ³
	PH:	0.4 +/- 0.5
	Vapour Pressure:	Not Determined
	Vapour Density:	Not Determined
Section	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 alkaline and Oxidizers.
Section	TOXICITY INFORMATION	
	Components:	This product contains ingredients listed in Section 2 that may cause burn to eyes and/or skin. Indigestion of high amount of product may be fatal.
	Toxicity:	Oral LD 50 (rat) : > 4500 mg/kg
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 action of carbon dioxide in the air as well as decomposition by microorganism.
	Toxicity:	Concentrations with a pH value of 1 or lower especially in fresh water may be fatal to fish and other aquatic organism. Can cause damage to aquatic plants and vegetation.
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	TRANSPORT INFORMATION	
	This material is non-regulated and no special requirement is necessary.	
Section	REGULATORY INFORMATION	
	Classification:	This product contains Hydrochloric acid and Hydrofluoric acid that is classified as Corrosive under EC Classification.
	Ozone Depleting Chemicals:	No regulated ingredients.
Section	OTHER INFORMATION	
	Hazard Rating : HMIS HEALTH : 2	FLAMMABILITY : 0 REACTIVITY : 0

Note : MSDS 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.