

Material Safety Data Sheet

Section 1	PRODUCT AND COMPANY IDENTIFICATION					
	Product Name: Shin Chlorine			Distributor: ENC Nationwide Sdn Bhd		
	Description: Organic Bleaching Powder			Address: B-G-03, Block B, Jalan Bangau 11, Bandar Puchong Jaya, Off Jalan Puchong, Puchong, 47100 Selangor.		
	Date of MSDS: 12-Dec-11			Tel : 603-8075-5222		
Section 2	INGREDIENTS INFORMATION					
	Chemical Name/Common Name	%	TLV	Chemical Name/Common Name	%	TLV
	None			None		
Section 3	HAZARDS IDENTIFICATION					
	Emergency Overview :		Ingestion may cause nausea, vomiting, pain, upset stomach, diarrhea. May cause mild eye irritation. Do not swallow. See sections 3,5 and 6.			
	Primary Routes of Exposure :		Skin and eye			
	Eye Contact :		May cause irritation.			
	Skin Contact :		Accidental contact may cause irritation.			
	Inhalation :		Exposure is unlikely.			
	Ingestion :		Exposure is unlikely. May cause nausea, vomiting, pain, and stomach upset.			
	Target Organs/Chronic Effects :		None known.			
Section 4	Conditions Aggravated By Exposure :		Exposure to this product is not expected to contribute, worsen or aggravate any pre-existing medical conditions.			
	FIRST AID MEASURES					
	Eye Contact :		Flush with cool water for at least 15 minutes. Then consult a physician immediately.			
Section 5	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 occur), and providing supportive therapy.			
	FIRE FIGHTING METHODS					
Section 6	Flash Point (T.C.C.):		None to Boiling		Flammable Limits - Upper: NA Lower: NA	
	Extinguishing Media:		Water, sand and universal type 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:		Fire risk if contact with organic material, e.g. fuel.			
	Hazardous Decomposition Products:		Burning can produce carbon dioxide and/or carbon monoxide.			
Section 7	ACCIDENTAL RELEASE MEASURES					
	Evacuation:		No special procedures are usually necessary.			
	Containment:		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.			
	Collection And Disposal:		Prevent run off, 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.			
Section 8	HANDLING AND STORAGE					
	Storage Conditions :		Close container to prevent contamination, store at cool area and prevent from frost.			
	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.			
	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.			

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Section 8	EXPOSURE CONTROLS AND PERSONAL PROTECTION	
	Exposure Guidelines:	
	ACGIH - TLV:	Provide suitable personal protective equipment and/or ventilation to maintain exposure
	Engineering Controls/Ventilation:	To work at ventilation area.
	Respiratory Protection :	Normally not required
	Eye Protection:	Safety glasses / goggles.
Section 9	Hand Protection:	Rubber Gloves.
	Other Protective Clothing:	Normal work clothing covering arms and legs.
	PHYSICAL AND CHEMICAL PROPERTIES	
	Appearance & Odour:	White Powder
Section 10	Density	950 +/- 20 g / cm ³
	PH:	10 +/- 0.2
	Solubility in water:	Complete.
	Vapour Pressure:	Not Determined
Section 11	Boiling Point:	100 °C
	Vapour Density:	Not Determined
	STABILITY AND REACTIVITY	
	Chemical Stability:	Stable under normal conditions of use.
Section 12	Hazardous Polymerization:	Will not occur.
	Conditions to Avoid:	Not applicable.
	Incompatibility With Other Materials:	Reducing agent, organic materials.
	TOXICITY INFORMATION	
Section 13	Components:	This product contain surfactant may mild irritating to some individual.
	Toxicity:	Oral LD 50 (rat) : > 4500 mg/kg
Section 14	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 microorganism.
Section 15	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 16	TRANSPORT INFORMATION	
	This material is non-regulated and no special requirement is necessary.	
Section 17	REGULATORY INFORMATION	
	Classification:	This product has not been allocated any classification.
	Ozone Depleting Chemicals:	No regulated ingredients.
Section 18	OTHER INFORMATION	
	Hazard Rating : HMIS	FLAMMABILITY : 0
	HEALTH : 1	REACTIVITY : 0

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.