

# Safety Data Sheet

## PRODUCT AND COMPANY IDENTIFICATION

Section 1

<b>Product Name:</b> Grand 4000	<b>Distributor:</b> ENC Nationwide Sdn Bhd
<b>Description:</b> Multi-purpose Degreaser/ Cleaners	<b>Address:</b> B-G-03, Block B, Jalan Bangau 11, Bandar Puchong Jaya, Off Jalan Puchong, Puchong, 47170 Selangor.
<b>Date of MSDS:</b> 01-Jan-2025	<b>Tel :</b> 603-8075-5222


## INGREDIENTS INFORMATION

Section 2

Chemical Name/Common Name	%	TLV	Chemical Name/Common Name	%	TLV
Sodium Metasilicate	< 5.0	2.0 mg/m <sup>3</sup>			
Potassium Hydroxide	< 1.0	2.0 mg/m <sup>3</sup>	Non-Hazardous Ingredients	90-100	2.0 mg/m <sup>3</sup>

## HAZARDS IDENTIFICATION

Section 3

<b>Emergency Overview :</b>	Ingestion may cause nausea, vomiting, pain, upset stomach, diarrhea. May cause mild eye irritation. Do not swallow. See sections 3,5 and 6.	
<b>Primary Routes of Exposure :</b>	Skin	
<b>Eye Contact :</b>	May cause mild irritation.	
<b>Skin Contact :</b>	Accidental contact may cause irritation.	
<b>Inhalation :</b>	Exposure is unlikely.	
<b>Ingestion :</b>	Exposure is unlikely. May cause nausea, vomiting, pain, and stomach upset.	
<b>Target Organs/Chronic Effects :</b>	None known.	
<b>Conditions Aggravated By Exposure :</b>	Exposure to this product is not expected to contribute, worsen or aggravate any pre-existing medical conditions.	

## FIRST AID MEASURES

Section 4

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

## FIRE FIGHTING METHODS

Section 5

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

## ACCIDENTAL RELEASE MEASURES

Section 6

<b>Evacuation:</b>	No special procedures are usually necessary.
<b>Containment:</b>	Stop spill at source. Contain material, as necessary, with dike or barrier. Stop material from contaminating soil or from entering sewers or bodies of water.
<b>Collection And Disposal:</b>	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.

## HANDLING AND STORAGE

Section 7

<b>Storage Conditions :</b>	This product is combustible liquid, store in cool, dry, well ventilated area at room temperature, keep away from any possible source of ignition, store away from any oxidizing materials.
<b>Transfer:</b>	No special precautions are needed. Follow good manufacturing and handling practices.
<b>Personal Hygiene:</b>	Wash thoroughly with water after handling, especially before eating and drinking.
<b>Empty Container Precautions:</b>	Do not re-use empty container for food, clothing or products of human or animal

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EXPOSURE CONTROLS AND PERSONAL PROTECTION	
Section 8	<b>Exposure Guidelines:</b>
	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 can be worn if splashing is
	Hand Protection: Rubber / PVC Gloves
Other Protective Clothing: Normal work clothing covering arms and legs if splashing anticipated.	
PHYSICAL AND CHEMICAL PROPERTIES	
Section 9	Appearance & Odour: Blue clear liquid with pleasant odour
	Solubility in water: Complete.
	Boiling Point: 100 ° C
	Specific Gravity: 1.02 +/- 0.003 g/cm3 PH: 12.5 +/- 1.0 Vapour Pressure: Not Determined Vapour Density: Not Determined
STABILITY AND REACTIVITY	
Section 10	Chemical Stability: Stable under normal conditions of use.
	Hazardous Polymerization: Will not occur.
	Conditions to Avoid: Not applicable.
	Incompatibility With Other Materials: Acids, Oxidizers and chlorinated detergents and sanitizers.
TOXICITY INFORMATION	
Section 11	Components: This product contains ingredients listed in section 2 that may cause irritation to eye and/or skin. Ingestion of high amount of product may be fatal.
	Toxicity: concentrated with a Ph value of 10.5 or greater especially in fresh water may be fatal to fish and other aquatic organism. Can caused damage to aquatic plants and vegetation.
ECOLOGICAL INFORMATION	
Section 12	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.
DISPOSAL CONSIDERATIONS	
Section 13	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.
TRANSPORT INFORMATION	
Section 14	This material is non-regulated and no special requirement is necessary.
REGULATORY INFORMATION	
Section 15	Classification: This product contains ingredients listed in section 2 that is classified as corrosive under EC Classification.
	Ozone Depleting Chemicals: No regulated ingredients.
OTHER INFORMATION	
Section 16	Hazard Rating : HMIS HEALTH : 2
	FLAMMABILITY : 0 REACTIVITY : 0

Note : SDS 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 -

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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.