

Safety Data Sheet


PRODUCT AND COMPANY IDENTIFICATION

Section 1

Product Name: Grand Plus	Distributor: ENC Nationwide Sdn Bhd
Other means of identification: Heavy Duty Germicidal Cleaner	
Recommended use and restriction on use: Grand Plus is the perfect cleaner for walls, floors and most other hard surfaces such as equipment, furniture and refrigerators etc	Address: B-G-03, Block B, Jalan Bangau 11, Bandar Puchong Jaya, Off Jalan Puchong, Puchong, 47170 Selangor.
	Tel : 603-8075-5222 / Fax: 03-80758668
	E mail: enquiry@enc-nationwide.com /
Date of SDS: 01-June-2021	Emergency contact: 012-5088887

HAZARDS IDENTIFICATION

Section 2

GHS classification:	Acute toxicity: Category 4; Skin irritation: Category 2 Eye irritation: Category 2		
GHS label elements: Pictogram		Signal word:	Warning
Hazard statements	H302: Harmful if swallowed, H315: Causes skin irritation H320: Causes eye irritation		
Precaution statements	P102: Keep out of reach of children, P262: Do not get on skin		
	P280: Wear protective gloves/ protective clothing		

INGREDIENTS INFORMATION

Section 3

Chemical Identification	Component & Composition	Chemical formula	CAS NO.	EC NO
Sodium hydroxide	< 3.0 %	NaOH	1310-73-2	215-185-5
Nonyl phenol Ethoxylate	< 2.0 %	C ₃₃ H ₆₀ O ₁₀	26571-11-9	247-816-5
Alkyl dimethylamine oxide	< 2.0 %	C ₁₅ H ₃₃ NO	70592-80-2	274-687-2
Sodium metasilicate	< 6.5 %	Na ₂ SiO ₃	6834-92-0	229-912-9
Urea	< 1.0 %	CH ₄ N ₂ O	57-13-6	200-315-5
Perfume	< 0.2 %	Mixture	N/A	N/A
Water	> 85.0 %	H ₂ O	7732-18-5	231-791-2
Blue Dye	< 0.01 %	-	N/A	N/A

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 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, Carbon dioxide and universal type 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		
Hazardous Decomposition Products:	Burning can produce carbon dioxide and/or carbon monoxide.		

ACCIDENTAL RELEASE MEASURES

Section 6

Environmental precautions:	Chemical substance should not be released into the environment (water, soil).
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 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.
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.

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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 below TLV levels.
	Engineering Controls/Ventilation:	Local exhaust ventilation is recommended when vapors mist, or dusts can be released.
	Eye Protection:	Safety glasses/ goggles
Section 9	PHYSICAL AND CHEMICAL PROPERTIES	
	Appearance & Odour:	Clear Red Liquid with Pleasant Odour
	Solubility in water:	Complete
	Boiling Point:	100 ⁰ C
	Specific Gravity:	1.070 +/- 0.005 g/cm ³
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 acid, soaps, anionic surfactants, strong oxidizing materials
Section 11	TOXICOLOGICAL INFORMATION	
	Acute toxicity: Oral:	Ingestion of high amount of product may be fatal
Section 12	ECOLOGICAL INFORMATION	
	Environmental Fate and Distribution:	It is soluble in water and does not bio-accumulate.
	Toxicity:	Concentrations with a pH value of 10.5 or greater 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.
Section 14	TRANSPORT INFORMATION	
	This material is non-regulated and no special requirement is necessary. HS Code: 34021200	
Section 15	REGULATORY INFORMATION	
	Classification:	This product contains Potassium Hydroxide and Sodium Metasilicate that is classified as Corrosive under EC Classification.
	Risk phrases:	R22 Harmful if swallowed R38 Irritating to skin
	Safety phrases:	S02 Keep out of reach of children S24 Avoid contact with skin S36/ 37 Wear suitable protective clothing and gloves
	Ozone Depleting Chemicals:	No regulated ingredients.
Section 16	OTHER INFORMATION	
	Hazard Rating : HMIS (Hazardous Materials Information) HEALTH : 2 0=Minimal, 1=Slight, 2=Moderate, 3=Serious, 4=Extreme	FLAMMABILITY : 0 REACTIVITY : 0

Note : 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.

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