

Safety Data Sheet

PRODUCT AND COMPANY IDENTIFICATION

Section 1

Product Name: Grand Gel	Distributor: ENC NATIONWIDE SDN BHD
Description: Engineering Hand Gel	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

Section 2

Chemical Name/Common Name	%	TLV	Chemical Name/Common Name	%	TLV
Carboxyrinyl Polymer	0- 30 %				
Dipolyethylene	< 2%		Lauryl Dimethyl Amine Oxide	2-3%	

HAZARDS IDENTIFICATION

Section 3

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
Eye Contact :	May cause mild irritation.
Skin Contact :	No evidence or harmful effects if contacted.
Inhalation :	No evidence or harmful effects if contacted.
Ingestion :	May cause nausea, vomiting, pain, and stomach upset.
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 :	No effect on skin, If irritation exist and persists, consult a physician
Ingestion:	Do not induce vomiting. 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, Carbon dioxide 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:	None		
Hazardous Decomposition Products:	Burning can produce carbon dioxide and/or carbon monoxide.		

ACCIDENTAL RELEASE MEASURES

Section 6

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.

HANDLING AND STORAGE

Section 7

Storage Conditions :	Store in cool place, well ventilated area at room temperature.
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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EXPOSURE CONTROLS AND PERSONAL PROTECTION

Section 8

Exposure Guidelines:	
ACGIH - TLV:	Provide suitable personal protective equipment and/or ventilation to maintain exposure
Engineering Controls/Ventilation:	Normally with good ventilation is not required
Respiratory Protection :	Normally not required
Eye Protection:	Normally not required. Safety glasses / goggles can be worn if splashing is possible.
Hand Protection:	Not required.
Other Protective Clothing:	Normal work clothing covering arms and legs if splashing anticipated.

PHYSICAL AND CHEMICAL PROPERTIES

Section 9

Appearance & Odour:	Clear green gel	Specific Gravity:	1.015 +/- 0.005 g/cm3
	with pleasant odor		PH:
Solubility in water:	Complete.	Vapour Pressure:	Not Determined
Boiling Point:	100 ° C	Vapour Density:	Not Determined

STABILITY AND REACTIVITY

Section

Chemical Stability:	Stable under normal conditions of use.
Hazardous Polymerization:	Will not occur.
Conditions to Avoid:	Not applicable.
Incompatibility With Other Materials:	Avoid to store with strong acids and oxidising agent.

TOXICITY INFORMATION

Section

Components:	Please refer to section 2
Toxicity:	Rabbit Dermal LD50 3g/kg, Rat oral LD50 5g/kg.

ECOLOGICAL INFORMATION

Section

Environmental Fate and Distribution:	Expected to be toxic to fish and other aquatiorganism.
Persistence and Degradation:	Expected readily biodegradable but the intermediate products of degradation may have potential to cause adverse environment effects.

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

This material is non-regulated and no special requirement is necessary.

REGULATORY INFORMATION

Section

Classification:	This product has not been allocated any classification.
Ozone Depleting Chemicals:	No regulated ingredients.

OTHER INFORMATION

Section

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.