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HAND RUB **Anti-Microbial Hand Sanitizer**

Product Description

HAND RUB is a no-rinse hand sanitizer that effectively kills viruses and bacteria, yet is non-toxic, alcohol free, pH neutral and pleasant smelling, making it safe and friendly to use. ***HAND RUB***'s technology utilizes pH modifiers that neutralize ionic bonds of protein envelopes that hold hard-to-kill viruses and bacteria together and then penetrates to destroy the nucleic acid and dissolves the virus and bacteria in seconds.

Areas of Use

HAND RUB is highly recommended for use in offices, retail, restaurants, hotels, healthcare, schools, places of worship, food manufacturing assembly lines, even homes and wherever good personal hygiene is critical. It is especially useful where soap and running water is not conveniently accessible.

Special Features

- Neutral pH and non-toxic
- Alcohol-free; non-flammable, no sharp odour, does not sting grazed skin and suitable for people with alcohol allergies
- Liquid form provides effective skin coverage; while foam discharge, if dispenser available, provides greater economy
- Pleasant fragrance leaves lingering scent after use
- Kills 99.99% of Germs

Directions of Use

Apply and spread thoroughly over hands. Rub until dry, no rinsing necessary.

Precautions

For external use only. Non-corrosive & non-toxic. But in unlikely event of discomfort due to inhalation, ingestion or contact with eyes, seek medical advice.

SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION				
Product Identifier: HAND RUB			Supplier: Klenco (Singapore) Pte Ltd. Address: 18 Gul Crescent, Singapore 629527 Department: Chemical Person in Charge: Chemist	
Other means of identification: Hand Sanitizer			Phone: (65) 6862 3388	
Date of SDS: 21 September 2020			Fax: (65) 6861 7575	
Recommended use and restrictions: HAND RUB is ideal for use in offices, retail, Restaurants, healthcare, schools, places of worship, even homes and whenever good personal hygiene is critical. It is especially useful where soap and running water is not conveniently accessible.			Email: info@klenco-asia.com Emergency contact: (65) 6862 3388 Ext 249	
SECTION 2 - HAZARDS IDENTIFICATION				
GHS classification: Eye irritation: Category 2B				
GHS label elements: Pictogram:		Signal Words: Warning		
				
Hazard statements: H320: Causes eye irritation				
Precaution statements: P233: Keep container tightly closed.				
SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS				
Chemical Identification	Component & Composition	Chemical Formula	CAS NO.	EC NO.
Water	> 99.00 %	H2O	7732-18-5	231-791-2
Alkyl Ethoxylates	< 0.30 %	C ₃₃ H ₆₀ O ₁₀	68002-97-1	934-991-4
Benzalkonium Chloride (Quaternary Ammonium Compound)	0.20 %	C ₂₁ H ₃₈ NCl	68424-85-1	270-325-2
Glycerine	< 0.30 %	C ₃ H ₈ O ₃	56-81-5	200-289-5
Fragrance	< 0.10 %	Mixture	NA	NA
SECTION 4 – FIRST AID MEASURES				
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.			
Skin contact:	Wash with large amounts of soap and water. If irritation persists, consult a physician.			
Eye contact:	Flush with cool water for at least 15 minutes. Then consult a physician immediately.			
Ingestion:	Do not induce vomiting. Dilute by drinking water. Call a physician immediately.			
Notes to Physicians:	Treatment should be directed at preventing absorption, administering to symptoms (if they occur), and providing supportive therapy.			
SECTION 5 – FIRE-FIGHTING MEASURES				
Suitable fire-extinguishing media:	Water, dry chemical, carbon dioxide and foam.			
Specific hazards arising from the chemical:	Burning can produce carbon dioxide and/or carbon monoxide.			
Special protective actions for fire fighters:	Fire fighters may be exposed to the products of combustion should wear a self-contained breathing apparatus with full protective equipment.			
SECTION 6 - ACCIDENTAL RELEASE MEASURE				
Personal precautions, protective equipment, and emergency measure: Use proper protective goggles if splashing is anticipated.				
Environmental precautions: Chemical substance should not be released into the environment (water system, soil).				
Methods and materials for containment and cleaning up: 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. 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 regulations.				
SECTION 7 - HANDLING AND STORAGE				
Precaution for safe handling: Wash thoroughly after handling, especially before eating and drinking. Wash contaminated goggles, face-shield, and gloves. Launder contaminated clothing before re-use.				
Conditions for safe storage, including any incompatibilities: Store in cool, dry, well-ventilated area at room temperature. Do not re-use empty container for food, clothing or products for human or animal consumption or where skin contact can occur.				
SECTION 8 - EXPOSURE CONTROLS/ PERSONAL PROTECTION				
Control parameters/ Occupational exposure limits: ACGIH - TLV: No hazardous ingredients				
Appropriate engineering control measures: Ventilation not required				
Personal Protection: Normally not required. Safety glasses / goggles can be worn if splashing is anticipated.				

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES	
Appearance & Odour:	Faint purple liquid with fragrance
Solubility in water:	Complete.
Boiling Point:	100 ° C
Specific Gravity:	1.000 +/- 0.005 g/cm ³
PH :	7.5 +/- 0.5
Flash Point (T.C.C.):	None to boiling
Flammable Limits - Upper:	Not applicable
Lower:	Not applicable
Vapour Pressure:	Not determined
Vapour Density:	Not determined
SECTION 10 - STABILITY AND REACTIVITY	
Reactivity/ In compatible materials:	None
Chemical stability:	Stable under normal temperature and pressure.
Possibility of hazardous reaction:	Will not occur.
Condition to avoid:	Not applicable
SECTION 11 – TOXICOLOGICAL INFORMATION	
Acute toxicity: Oral:	LD 50 (rat): > 5000 mg/kg;
SECTION 12 – ECOLOGICAL INFORMATION	
Persistence and degradability:	Product is biodegradable and degrades by action of microorganism.
Bioaccumulative potential:	It is soluble in water and does not bio-accumulate.
SECTION 13 – DISPOSAL CONSIDERATIONS	
Disposal method: Dispose off in an approved waste facility according to local regulations. 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 14 – TRANSPORT INFORMATION	
This material is non-regulated and no special requirement is necessary.	
HS Code: 34021200	
UN number ADR/RID: Not regulated	
IMDG: Not regulated	
IATA: Not regulated	
UN proper shipping name ADR/RID: Not dangerous goods	
IMDG: Not dangerous goods	
IATA: Not dangerous goods.	
SECTION 15 – REGULATORY INFORMATION	
International regulation:	
Classification:	This product has not been allocated any classification.
Risk phrases:	R00 None required
Safety phrases:	S07 Keep container tightly closed
SECTION 16 – OTHER INFORMATION	
Hazard Rating: HMIS (Hazardous Materials Information System)	
HEALTH:	0
FLAMMABILITY:	0
REACTIVITY:	0
0=Minimal, 1=Slight, 2=Moderate, 3=Serious, 4=Extreme	

NOTICE: 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.