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cleaner environment

ALCOHOL RUB

Hand Sanitizer

Product Description

ALCOHOL RUB is a highly active hand sanitizer formulated for cleaning and disinfecting hands. Its neutral pH makes it safe on skin and leaves a moisturized and fresh sensation after use. With weight of more than 70% in Ethanol, **ALCOHOL RUB** kills 99.9% of germs.

Areas of Use

ALCOHOL RUB is suitable for use in all commercial sectors. It is ideal for hotels, country clubs, offices, shopping malls, cinemas and suitable for light industrial environments.

Special Features

- Fortified with emollient for moisturizing hands.
- Neutral pH makes it safe on skin and hands.
- Fully biodegradable.

Directions for use

- Apply a few drops of **ALCOHOL RUB**.
- Rub hands together until liquid has evaporated

Precaution

Avoid ingestion and eye contact.

SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION				
Product Identifier: ALCOHOL 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: 01 January 2026		Fax: (65) 6861 7575		
Recommended use and restrictions: Alcohol Rub is suitable for use in all commercial sectors. It is ideal for hotels, country clubs, offices, shopping malls, cinemas and suitable for light industrial environments.		Email: info@klenco-asia.com Emergency contact: (65) 6862 3388 Ext 249		
SECTION 2 - HAZARDS IDENTIFICATION				
GHS classification:		Flammable liquid: Category 3; Acute toxicity: Category 4 Eye irritation: Category 2		
GHS label elements: Pictogram:		Signal words: Warning		
		 		
Hazard statements:		H226: Flammable liquid. H302: Harmful if swallowed. H320: Causes eye irritation.		
Precaution statements:		P102: Keep out of reach of children. P210: Keep away from heat/sparks/open flames/hot surfaces – No smoking. P262: Do not get in eyes.		
SECTION 3 - COMPOSITION/ INFORMATION ON INGREDIENTS				
Chemical Identification	Component & Composition	Chemical Formula	CAS NO.	EC NO.
Ethyl Alcohol	> 70.0 %	CH3CH2OH	64-17-5	200-578-6
Hydroxypropyl Methyl Cellulose	< 3.0 %	C56H108O30	9004-65-3	NA
Glycerine	< 1.0%	C3H8O3	56-81-5	200-289-5
Benzalkonium Chloride	0.1 – 0.2 %	C22H48ClN	7173-51-5	230-525-2
Water	> 20.0 %	H2O	7732-18-5	231-791-2
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 if irritation persists.				
Ingestion: Do not induce vomiting. Dilute by drinking water. Call a physician immediately.				
Notes to Physicians: Treatment should be directed at preventing absorption, administering 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 - ACCIDENTIAL RELEASE MEASURE				
Personal precautions, protective equipment, and emergency measures: Use proper protective equipment (chemical protection suit, gloves, goggles, mask, etc).				
Environmental precautions: Chemical substances should not be released into the environment (water, 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. Prevent run-off. Cover spills with absorbent clay, sawdust or inert material and placed in closed chemical waste containers. Dispose according to applicable local, state and federal regulations.				
SECTION 7 - HANDLING AND STORAGE				
Precautions for safe handling: Wash thoroughly after handling, especially before eating and drinking. Wash contaminated goggles, face-shield, and gloves. Launder contaminated clothing before re-using.				
Conditions for safe storage, including any incompatibility: This product is a flammable liquid. Store in cool, dry, well-ventilated area at room temperature away from any source of ignition. Do not re-use empty containers 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:	Local exhaust ventilation is usually required, when vapours, mist, or dusts can be released.
Personal Protection:	Normally not required. Safety glasses / goggles can be worn if splashing is anticipated.
SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES	
Appearance & Odour:	Clear liquid with alcohol odour.
Solubility in water:	Complete.
Boiling Point:	~ 80 °C
Specific Gravity:	0.90 +/- 0.05 g/cm ³
PH:	7.5 +/- 0.5
Flash Point (T.C.C.):	~25°C Flammable Limits - Upper: 19 % Lower: 3.3 %
Vapour Pressure:	Not determined
Vapour Density:	1.6 (Air = 1)
SECTION 10 - STABILITY AND REACTIVITY	
Reactivity/ In compatible materials:	Oxidizers chlorine and Hydrogen Peroxide. Acids
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:	Repeated ingestion of product may result in liver damage. Oral LD 50 (rat): > 7000 mg/kg
Eye irritation:	This product contains ingredient ethanol, which is an eye irritant.
SECTION 12 – ECOLOGICAL INFORMATION	
Persistence and degradability:	Product degrades readily by action of microorganism.
Bioaccumulative potential:	It is soluble in water and does not bio-accumulate.
SECTION 13 – DISPOSAL CONSIDERATIONS	
Disposal method:	Dispose of 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.	
UN No. 1170	
Shipping Name: Ethanol Solution	
Hazard Class: 3	
Packing Group: III	
HS Code: 34024100	
SECTION 15 – REGULATORY INFORMATION	
International regulation:	
Classification:	This product has not been allocated any classification.
Risk phrases:	R10 Flammable
	R22 Harmful if swallowed.
	R36 Irritating to eyes.
Safety phrases:	S02 Keep out of reach of children.
	S16 Keep away from sources of ignition – No Smoking.
	S25 Avoid contact with eyes.
SECTION 16 – OTHER INFORMATION	
Hazard Rating: HMIS (Hazardous Materials Information System)	
HEALTH:	1
FLAMMABILITY:	2
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.