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cleaner environment

KLEN 1601

Protein Rich Hand Cleaner

Product Description

KLEN 1601 is powerful enough to remove the heaviest soil and grease yet contains protein agents to make it gentle on hands. **KLEN 1601** can be used without water, just wipe off. It even has a pleasant non-residual perfume, making it the perfect hand cleaner for all industrial environments.

Area of Use

Ideal for mechanics, technicians and all job handlers for workshops, marine repair works etc who soil and grease their hands heavily. Especially useful for areas where water for rinsing is limited or unavailable.

Special Features

- Contains powerful grease cutting surfactants.
- Contains protein agents with anti-bacterial properties to prevent skin infection and occupational dermatitis.
- Can be used without water.
- Contains a pleasing citrus fragrance.

Directions for use

- Apply **KLEN 1601** onto hands and thoroughly spread and rub to release soil and grease.
- Rinse off dirty residue with water or just wipe it off with cloth or paper towel.

Note: Hands should still be rinsed with water before handling food.

Precaution


As with all chemical products, avoid ingestion and eye contact. If in contact with eyes, wash with plenty of water.

SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION

Product Identifier: KLEN 1601	Supplier: Klenco (Singapore) Pte Ltd. Address: 18 Gul Crescent, Singapore 629527 Department: Chemical Person in Charge: Chemist
Other means of identification: Protein Rich Hand Cleaner	Phone: (65) 6862 3388 Fax: (65) 6861 7575 Email: info@klenco-asia.com Emergency contact: (65) 6862 3388 Ext 249
Date of SDS: 01 January 2024	
Recommended use and restriction on use: KLEN 1601 is ideal for mechanics, technicians and all job handlers for workshops, marine repair works etc who soil and grease their hands heavily. Especially useful for areas where water for rinsing is limited or unavailable.	

SECTION 2 - HAZARDS IDENTIFICATION

GHS classification: Flammable liquid: Category 4; Skin irritation: Category 2;	Acute toxicity: Oral: Category 4; Eye irritation: Category 2
GHS label elements: Pictogram:	Signal word: Warning
	
Hazard statements:	H226: Flammable liquid 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.
Solvent White Spirit	< 35.0 %	NA	64475-85-0	232-455-8
Triethanolamine	< 2.0 %	C6H15NO3	102-71-6	203-049-8
Nonyl Phenol Ethoxylates	< 12.0 %	C ₃₃ H ₆₀ O ₁₀	26571-11-9	247-816-5
Oleic Acid	< 3.0 %	C ₁₈ H ₃₄ O ₂	112-80-1	204-007-1
Lanolin	< 2.0 %	-	8006-54-0	232-348-6
Fragrance	< 10.0 %	Mixture	NA	NA
Water	> 50.0 %	H ₂ O	7732-18-5	231-791-2
Paraffin Wax	< 2.0 %	C _n H _{2n+2} n=24~36	8002-74-2	232-315-6

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:	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 measures:	Use proper protective equipment (chemical protection suit, gloves, goggles, mask, etc).
Environmental precautions:	Chemical substance should not be released into the environment (water, soil).
Methods and materials for containment and cleaning up:	Safely stop discharge. Contain material, as necessary, with dike or barrier. Stop material from contaminating soil or from entering sewers or bodies of 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:	Combustible material. Store in cool, dry, well-ventilated area at room temperature away from any possible source of ignition. 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: Provide suitable personal protective equipment and/or ventilation to maintain exposure below TLV levels.
Appropriate engineering control measures:	Normally ventilation is not required
Personal Protection:	Use the protective equipment such as rubber/PVC gloves; protective glasses.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES	
Appearance & Odour:	Opaque white gel with pleasant odour.
Solubility in water:	Emulsifiable
Boiling Point:	100 ° C
Specific Gravity:	1.000 +/- 0.005 g/cm ³ (1% dilution)
PH:	7.0 +/- 0.5 (1% dilution)
Flash Point (T.C.C.):	93.3 ° C Flammable Limits - Upper: ~ 6.5% Lower: ~0.7 %
Vapour Pressure:	Not determined
Vapour Density:	Not determined
SECTION 10 - STABILITY AND REACTIVITY	
Reactivity/ In compatible materials:	Acids and oxidizers.
Chemical stability:	Stable under normal temperature and pressure.
Possibility of hazardous reaction:	Will not occur.
Condition to avoid:	Prevent possible source of ignition.
SECTION 11 – TOXICOLOGICAL INFORMATION	
Acute toxicity: Oral:	LD 50 (rat): > 2000 mg/kg
Skin or eye irritation:	This product contains petroleum solvent that may cause irritation in eyes and skin of some individuals.
SECTION 12 – ECOLOGICAL INFORMATION	
Persistence and degradability:	Product degrades readily by action of microorganism.
Bioaccumulative potential:	It is emulsifiable 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. HS Code: 34024290	
SECTION 15 – REGULATORY INFORMATION	
International regulation:	
Classification:	This product contains petroleum solvent that is classified as a flammable and combustible liquid under EC classification.
Risk phrases:	R10 Flammable R36 Irritating to eyes. R38 Irritating to skin.
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.