



better products
cleaner environment

POWER LEMON

General Purpose Liquid Soap

Product Description

A multipurpose cleaner designed for the widest variety of applications, **POWER LEMON** is strong enough for floors, kitchen walls, toilets, cars and other common areas; yet gentle enough for skin and hands. **POWER LEMON** is also extremely economical; just a little will produce abundant suds to efficiently suspend grease, oil and soil for streak-free cleaning.

Areas of Use

POWER LEMON is an ideal general cleaner for practically all hard surfaces such as windows, tiled walls and floors, bathroom surfaces, plastics, paintwork, metals, textiles, cutlery and dishes. It can also be used as liquid hand soap.

Special Features

- Advanced synthetic liquid detergent formulation
- Fully biodegradable
- Non-toxic preservative and phosphate free
- Highly versatile cleaner effective for most applications, yet its neutral pH makes it safe for use on skin and hands
- Mixes easily with soft or hard water and rinses away easily

Directions for Use

Dilution depends on the severity of the cleaning job to be done. General rates are:

- Dishes, glassware and windows - 1:80
- Floors, cars, paintwork and general cleaning - 1:40

Application is usually by mop, sponge, pad or brush. Agitate or scour to loosen baked on or stubborn stains. Rinse, wipe or vacuum off solution after cleaning is done. Better results can usually be achieved with warm water.

Precautions


As with most chemical products, avoid eye contact and ingestion. If product enters eyes, flushing with water should be sufficient. If ingested, dilute by drinking water and seek medical help.

SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION

Product Identifier: POWER LEMON	Supplier: Klenco (Singapore) Pte Ltd. Address: 18 Gul Crescent, Singapore 629527 Department: Chemical Person in Charge: Chemist
Other means of identification: General Purpose Liquid Soap	Phone: (65) 6862 3388 Fax: (65) 6861 7575 Email: info@klenco-asia.com Emergency contact: (65) 6862 3388 Ext 249
Date of SDS: 1 January 2022	
Recommended use and restriction on use: POWER LEMON is an ideal general cleaner for practically all hard surfaces such as windows, tiled walls and floors, bathroom surface, plastics, paintwork, metals, textiles, cutlery and dishes. It can also be used as liquid hand soap.	

SECTION 2 - HAZARDS IDENTIFICATION

GHS classification: Acute toxicity: Category 4; Skin irritation: Category 2, Eye irritation: Category 2	
GHS label elements: Pictogram:	Signal Words: Warning
	
Hazard statements:	H302: Harmful if swallowed H315: Causes skin irritation H320: Causes eye irritation
Precaution statements:	P102: Keep out of reach of children. P233: Keep container tightly closed.

SECTION 3 - COMPOSITION/ INFORMATION ON INGREDIENTS

Chemical Identification	Component & Composition	Chemical Formula	CAS NO.	EC NO.
Sodium Hydroxide	< 1.0 %	NaOH	1310-73-2	215-185-5
Triethanolamine	< 2.0 %	C6H15NO3	102-71-6	203-049-8
Sodium Lauryl Ether Sulphate	< 4.0 %	CH3(CH2)10CH2OSO3Na	68585-47-7	271-557-7
Linear Alkyl Benzene Sulphonic Acid	< 9.0%	RC6H4SO3H	27176-87-0	248-289-4
Cocodiethanolamide	< 4.0 %	CH3(CH2) _n C(=O)N(CH2CH2OH) ₂	68603-42-9	271-659-0
1,2-Benzisothiazolin-3-One	< 0.3 %	C12H8Cl2O2	3380-30-1	429-290-0
Sodium Chloride	< 0.5 %	NaCl	7647-14-5	231-598-3
Yellow Dye	< 0.01 %	-	NA	NA
Red Dye	< 0.01 %	-	NA	NA
Fragrance	< 0.2 %	Mixture	NA	NA
Water	> 80.0 %	H ₂ O	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.
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 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:	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 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: 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:	Normally not required. Safety glasses / goggles can be worn if splashing is anticipated.
SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES	
Appearance & Odour:	Clear orange liquid with lemon odour.
Solubility in water:	Complete.
Boiling Point:	100 °C
Specific Gravity:	1.025 +/- 0.005 g/cm ³
PH:	7.0 to 7.5
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): > 4500 mg/kg
Skin or eye irritation:	This product may cause transient 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 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: 34021990 The product is not covered by international regulations on the transport of dangerous goods. (IMDG, IATA, ADR/RID)	
SECTION 15 – REGULATORY INFORMATION	
International regulation:	
Classification:	This product has not been allocated any classification.
Risk phrases:	R22 Harmful if swallowed
Safety phrases:	S02 Keep out of reach of children 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.