



better products for a 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.

KLENCO (SINGAPORE) PTE LTD

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MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT IDENTIFICATION					
Product Name: POWER LEMON			Distributor: KLENCO (SINGAPORE) PTE LTD		
Description: General Purpose Liquid Soap			Address: 18 Gul Crescent, Singapore 629527		
Date of MSDS: August 2004			Tel: (65) 6862 3388		
SECTION 2 - INFORMATION ON INGREDIENTS					
Chemical Name/Common Name	%	TLV	Chemical Name/Common Name	%	TLV
None			Non-hazardous ingredients	100	
SECTION 3 - HAZARDS IDENTIFICATION					
Emergency Overview: Ingestion may cause nausea, vomiting, pain, upset stomach, diarrhoea. 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:		May cause mild irritation to some individuals.			
Inhalation:		Exposure is unlikely.			
Ingestion:		Exposure is unlikely. 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.					
SECTION 4 - FIRST AID MEASURES					
Eye Contact: Flush with cool water for at least 15 minutes. Then consult a physician immediately if irritation persists.					
Skin: Wash with large amounts of soap and water. If irritation persists, consult a physician.					
Ingestion: Do not induce vomiting. Dilute by drinking water. 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.					
SECTION 5 - FIRE FIGHTING METHODS					
Flash Point (T.C.C.): None to boiling		Flammable Limits - Upper: NA Lower: NA			
Extinguishing Media: Water, dry chemical, carbon dioxide and 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 .					
SECTION 6 - ACCIDENTAL RELEASE MEASURES					
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. 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 regulations.					
SECTION 7 - HANDLING AND STORAGE					
Storage Conditions: Store in cool, dry, 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 and before eating and/or drinking. Launder contaminated clothing before re-use.					
Empty Container Precautions: 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	
Exposure Guidelines:	
ACGIH - TLV:	Provide suitable personal protective equipment and/or ventilation to maintain exposure below TLV levels.
Engineering Controls/Ventilation:	Normally ventilation is not required.
Respiratory Protection:	Normally not required.
Eye Protection:	Normally not required. Safety glasses / goggles can be worn if splashing is anticipated.
Hand Protection:	Not required.
Other Protective Clothing:	Normal work clothing covering arms and legs if splashing 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:	1.015 +/- 0.005 g/cm ³
PH:	7.0 to 7.5
Vapour Pressure:	Not determined
Vapour Density:	Not determined
SECTION 10 - STABILITY AND REACTIVITY	
Chemical Stability:	Stable under normal conditions of use.
Hazardous Polymerization:	Will not occur.
Conditions to Avoid:	Not applicable.
Incompatibility With Other Materials:	None
SECTION 11 - TOXICITY INFORMATION	
Components:	This product may cause transient irritation in eyes and skin of some individuals.
Toxicity:	Oral LD 50 (rat) : > 4500 mg/kg
SECTION 12 - ECOLOGICAL INFORMATION	
Environmental Fate and Distribution:	It is soluble in water and does not bio-accumulate.
Persistence and Degradation:	Product degrades readily by action of microorganism.
SECTION 13 - DISPOSAL CONSIDERATIONS	
Disposal:	Dispose 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.
SECTION 14 - TRANSPORT INFORMATION	
	This material is non-regulated and no special requirement is necessary.
SECTION 15 - REGULATORY INFORMATION	
Classification:	This product has not been allocated any classification.
Ozone Depleting Chemicals:	No regulated ingredients.
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: MSDS 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.