



better products for a cleaner environment

KLEN 2207

Cream Cleaner

Product Description

KLEN 2207 is excellent for removing a wide variety of stubborn stains from hard commercial surface materials. Instead of acids, it uses a combination of surfactants and mild abrasives that are safe even on most household non-porous surfaces. It also deodorizes and polishes as it cleans, making it ideal as a powerful, yet regularly used toilet surface cleaner.

Areas of Use

Use **KLEN 2207** with confidence to clean off grime, soap scum, hard water deposits and surface rust from ceramic, porcelain, formica, chrome, stainless steel, brass, aluminum and other hard surfaces. On extremely delicate surfaces that are prone to scratches, test on an obscure corner first.

Special Features

- Acid-free and relatively neutral formula makes it safe on skin and non-corrosive to metal surfaces.
- Mild abrasive particles facilitate cleaning without heavy scrubbing.
- Thickened to provide clinging effect for effective and economical cleaning of vertical surfaces.
- Low toxicity and leaves a clean, fresh scent after use.
- Safe to use on panels and do not damage joint sealant compound.

Directions for Use

- Apply a small amount onto the surface to be cleaned using pre-moistened sponge, pad or cloth.
- Loosen soil with gentle scrubbing action, rinse thoroughly with water then wipe surface clean and dry with sponge or cloth.
- Can be applied on ceramic, porcelain, chrome, stainless steel, tile, drinking fountains, sinks, tubs, toilets, etc.
- Approximate use coverage is 4m² per litre.

Precautions

As with most chemical products, avoid ingestion and eye contact. Wash hands thoroughly after use. Keep container closed when not in use. Do not store in unmarked containers.

SAFETY DATA SHEET


SECTION 1 - IDENTIFICATION

Product Identifier: KLEN 2207	Supplier: Klenco (Singapore) Pte Ltd. Address: 18 Gul Crescent, Singapore 629527 Department: Chemical Person in Charge: Chemist
Other means of identification: Cream Cleaner	Phone: (65) 6862 3388 Fax: (65) 6861 7575 Email: www.klenco-asia.com Emergency contact: (65) 6862 3388
Date of SDS: 30 June 2011	
Recommended use and restriction on use: Use KLEN 2207 with confidence to clean off grime, soap scum, hard water deposits and surface rust from ceramic, porcelain, formica, chrome, stainless steel, brass, aluminum and other hard surfaces. On extremely delicate surfaces that are prone to scratches, test on an obscure corner first.	

SECTION 2 - COMPOSITION/ INFORMATION ON INGREDIENTS

Chemical Identification	Component & Composition	Chemical Formula	CAS NO.	EC NO.
Coconut diethanolamide	< 2.0 %	CH ₃ (CH ₂) _n C(=O)N(CH ₂ CH ₂ OH) ₂	68603-42-9	271-657-0
Sodium hydroxide	< 1.0 %	NaOH	1310-73-2	215-185-5
Oleic acid	< 3.0 %	C ₁₈ H ₃₄ O ₂	112-80-1	204-007-1
Pine oil	< 5.0 %	Mixture	8002-09-3	232-688-5
Silica powder	< 20.0 %	SiO ₂	7631-86-9	231-545-4
Bentonite clay	< 2.0 %	C ₆ H ₁₂ N ₄ O ₉	1302-78-9	215-108-5
Water	>70.0 %	H ₂ O	7732-18-5	231-791-2
Yellow dye	< 0.01 %	-	NA	NA
Blue dye	< 0.02 %	-	NA	NA

SECTION 3 - HAZARDS IDENTIFICATION

GHS classification: Acute toxicity: Oral: Category 4; Eye irritation: Category 2	
GHS label elements: Pictogram:	Signal word: Warning
	
Hazard statements: H302: Harmful if swallowed H320: Causes eye irritation	
Precaution statements: P102: Keep out of reach of children P262: Do not get in eyes, on skin, or on clothing. P280: Wear protective gloves/ protective clothing.	

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. 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:	Use the protective equipment such as rubber/PVC gloves; protective glasses if splashing is anticipated.
SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES	
Appearance & Odour:	Light green cream with pine odour
Solubility in water:	Dispersible.
Boiling Point:	100 °C
Specific Gravity:	1.090 +/- 0.01 g/cm ³ at 25° C
PH:	8.5 +/- 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:	Acids and strong oxidizers.
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:	Low toxicity
Skin or eye irritation:	This product contains small percentage sodium hydroxide, which may cause mild irritation to some individuals.
SECTION 12 – ECOLOGICAL INFORMATION	
Persistence and degradability:	Product degrades readily by action of microorganism.
Bioaccumulative potential:	It is dispersible 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.	
SECTION 15 – REGULATORY INFORMATION	
International regulation:	
Classification:	This product has not been allocated any classification.
Risk phrases:	R22 Harmful if swallowed R36 Irritating to eyes
Safety phrases:	S02 Keep out of reach of children S25 Avoid contact with skin
SECTION 16 – OTHER INFORMATION	
Hazard Rating: HMIS (Hazardous Materials Information System)	
HEALTH: 1	
FLAMMABILITY: 1	
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.