



better products for a cleaner environment

HG SANLENE

Hospital Grade Germicidal Detergent

Product Description

Specially formulated for use in hospitals, **HG SANLENE** passes the modified Kelsey-Sykes Capacity Test Option for Hospital Grade Disinfectant **under dirty conditions**. New generation quaternary-based detergent system provides strong disinfecting properties, making **HG SANLENE** an excellent general purpose cleaner for areas where disinfection is of utmost importance.

Areas of Use

HG SANLENE is ideal for regular cleaning of floors, walls, toilet, shower and kitchen surfaces not just in hospitals but also in other public areas such as schools and offices.

Special Features

- Passes Modified Kelsey-Sykes Capacity Test Option bacterial analysis test at 1:20 dilution using Escherichia Coli NCTC 8196, Staphylococcus Aureus NCTC 4163, Proteus Vugaris NCTC 4635 and Pseudomonos Aeruginosa NCTC 6749 at inoculum size not less than 2×10^8 cells/ml.
- Effective in hard water conditions; test conducted using 342 ppm hardness water
- Active ingredients composed of highly effective combination of quaternary surfactants
- Pleasant odour makes product easy to use

Directions of Use

Cleaning can be carried out by hand washing with cloth, mopping, machine scrubbing or high pressure cleaner. Cold or hot water can be used.

- For cleaning and disinfecting soiled areas, dilute 1:20 with water.

Precautions

As with most chemical products, avoid ingestion and eye contact. Wash hands thoroughly after use.

SAFETY DATA SHEET


SECTION 1 - IDENTIFICATION

Product Identifier: HG SANLENE	Supplier: Klenco (Singapore) Pte Ltd. Address: 18 Gul Crescent, Singapore 629527 Department: Chemical Person in Charge: Chemist
Other means of identification: Hospital Grade Germicidal Cleaner	Phone: (65) 6862 3388
Date of SDS: 30 June 2011	Fax: (65) 6861 7575
Recommended use and restriction on use: HG SANLENE is ideal for regular cleaning of floors, walls, toilet, shower and kitchen surfaces not just in hospitals but also in other public areas such as schools and offices.	Email: www.klenco-asia.com Emergency contact: (65) 6862 3388

SECTION 2 - COMPOSITION/ INFORMATION ON INGREDIENTS

Chemical Identification	Component & Composition	Chemical Formula	CAS NO.	EC NO.
Isopropyl alcohol	< 4.0 %	C3H8O	67-63-0	200-661-7
Nonyl phenol ethoxylate	< 1.0 %	C33H60O10	9016-45-9	-
Alkylbenzylidimethylammonium chloride	< 10.0 %	C21H38NCl	68424-85-1	270-325-2
Sodium EDTA	< 1.5 %	C ₁₀ H ₁₂ N ₂ Na ₄ O ₈	64-02-8	200-573-9
Water	> 80.0 %	H ₂ O	7732-18-5	231-791-2
Sodium gluconate	< 1.0 %	C ₆ H ₁₁ NaO ₇	527-07-1	208-407-7
Blue dye	< 0.01 %	-	NA	NA
Yellow dye	< 0.01	-	NA	NA
Perfume	< 0.3 %	-	NA	NA

SECTION 3 - HAZARDS IDENTIFICATION

GHS classification: Acute toxicity: Category 4; Eye irritation: Category 2	
GHS label elements: Pictogram:	Signal Words: Warning
	
Hazard statements:	H302: Harmful if swallowed H320: Causes eye irritation
Precaution statements:	P102: Keep out of reach of children. P233: Keep container tightly closed. P262: Do not get on skin.

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, fog, 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:	Normally not required. Safety glasses / goggles can be worn if splashing is anticipated.
SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES	
Appearance & Odour:	Clear green liquid with pleasant odour.
Solubility in water:	Complete.
Boiling Point:	100 °C
Specific Gravity:	1.002 +/- 0.002 g/cm ³
PH:	11.5 +/- 0.3
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): > 600 mg/kg
Skin or eye irritation:	Contains surfactants that may cause mild irritation to 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.	
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
	S25 Avoid contact with eyes
SECTION 16 – OTHER INFORMATION	
Hazard Rating: HMIS (Hazardous Materials Information System)	
HEALTH:	1
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.