

SANIFECT High Level Disinfectant

Product Description

SANIFECT is based on a new technology that kills viruses and bacteria but yet is completely non-toxic and alcohol free, making it safe to use even for fogging. **SANIFECT** contains pH modifiers and a plant oil extract, which penetrate the envelope that encloses hard-to-kill viruses. The pH modifiers` neutralize the ionic bonds that hold the protein envelope together, allowing the plant extract detergent molecules entry to destroy the nucleic acid and dissolve the virus in seconds. This breakthrough technology is the result of years of research by NewGenn Research Ltd, a UK enterprise funded by the British Government.

Areas of Use

SANIFECT High Level Disinfectant is ideal for disinfecting floors, walls, table tops, door handles, lift button panels, plant and kitchen equipment, toilets and all hard surfaces in homes, hotels, hospitals, train stations, offices, schools, factories and all private and public areas.

Special Features

- Alcohol and solvent free, ideal for fogging buildings.
- Non-toxic, safe to use even around patients.
- Kill List (at 1:10 dilution with water):
 - Viruses
 - HIV, Caliciviruses (for Norovirus, Norwalk virus), Hepatitis B virus, Adenovirus, Herpes virus Type 1 & 2, Influenza virus Type A, Vaccinia virus, Feline Leukaemia viruses, Respiratory Syncytial virus, Rubella virus and **coronaviruses such as Infectious Bronchitis virus**
 - Bacteria (as tested under EN1276)
 - Staphylococcus Aureus, E. Coli, Pseudomonas Aeruginosa, Enterococcus, Enterobacter Aerogenes & Cloacae, Salmonella Typhimurium, Proteus Mirabilis & Vulgaris, Chlamydia Psittaci.*
 - Yeast and Fungi
 - Canadida Albicans, Aspergillus Niger.*

Directions of Use

Dilute 1:10 with water for proven disinfection results plus complete user safety.

Cleaning

For hard surface disinfecting, apply with sprayer, cloth, mop or by machine scrubbing.

Fogging

Please observe the following steps and safety precautions for fogging:

1. Remove absorbent material such as fabric from room being fogged
2. Use power supply from a point outside the area
3. Enclose room as much as possible and stop all mechanical ventilation
4. Ensure room is completely vacated during fogging process
5. User should wear protective mask and clothing while fogging and until fog disperses
6. Fogging should continue until moisture starts to form on walls and other surfaces
7. After fog disperses, leave to dry or wipe off using cloth or disposable paper

Please consult your KLENCO representative for a suitable fogging machine and full operating instructions.

Precautions

As with most chemical products, avoid ingestion and eye contact.

SAFETY DATA SHEET


SECTION 1 - IDENTIFICATION

Product Identifier: SANIFECT	Supplier: Klenco (Singapore) Pte Ltd. Address: 18 Gul Crescent, Singapore 629527 Department: Chemical Person in Charge: Chemist
Other means of identification: High Level Disinfectant	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: SANIFECT High Level disinfectant is ideal for disinfecting floors, walls, table tops, door handles, lift button panels, plant and kitchen equipment, toilets and all hard surfaces in homes, hotels, hospitals, train stations, offices, schools, factories and all private and public areas.	

SECTION 2 - COMPOSITION/ INFORMATION ON INGREDIENTS

Chemical Identification	Component & Composition	Chemical Formula	CAS NO.	EC NO.
Water	> 90.0 %	H2O	7732-18-5	231-791-2
Alkylbenzyltrimethylammonium chloride	< 3.0 %	C21H38NCl	68424-85-1	270-325-2
Blue dye	< 0.01 %	-	NA	NA

SECTION 3 - 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:	H315: Causes skin irritation H320: Causes eye irritation
Precaution statements:	P233: Keep container tightly closed.

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: None required
Appropriate engineering control measures:	Normal ventilation is sufficient
Personal Protection:	Normally not required. Safety glasses / goggles can be worn if splashing is anticipated.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES	
Appearance & Odour:	Clear blue liquid with mild odour.
Solubility in water:	Complete.
Boiling Point:	100 °C
Specific Gravity:	1.000 +/- 0.005 g/cm ³
PH:	7.5 +/- 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:	Do not mix with other anionic base chemicals
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 This product does not contain any known hazardous ingredients.
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:	R00 None required
Safety phrases:	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.