

SAFE-SB

High Level Harmless Disinfectant

Date: 15/4/2020

Product Description

SAFE-SB is based on a new technology that kills viruses and bacteria but yet is non-toxic, alcohol free and neutral pH, making it safe for a wide range of applications methods including fogging. **SAFE-SB** contains pH modifiers that neutralize ionic bonds of protein envelopes that hold hard-to-kill viruses together; and plant oil extract molecules that then penetrate to destroy the nucleic acid and dissolve the virus in seconds.

This breakthrough technology is the result of years of research funded by the British Government.

Areas of Use

SAFE-SB High Level Harmless Disinfectant is ideal for disinfecting floors, walls, table-tops, door handles, hand railings, 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 :

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

Staphylococcus Aureus, E. Coli, Pseudomonas Aeruginosa, Enterococcus, Enterobacter Aerogenes & Cloacae, Salmonella Typhimurium, Proteus Mirabilis & Vulgaris, Chlamydia Psittaci.

Yeast and Fungi

Canadida Slbicans, Aspergillus Niger.

Directions of Use

Not dilution water for proven disinfection results and complete user safety.

Cleaning

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

Fogging

Please observe the following standard precautions for fogging:

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

Precautions

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

PRODUCT DATA SHEET

Product Identifier: SAFE-SB

Distributor: KK TECH INDUSTRY

**Address: NO.18-2-A2 FLOOR,JALAN KUDA 1/KU1,
TAMAN BUKIT KUDA, 41300 KLANG, SELANGOR D.E.**

Other means of identification: High Level Harmless Disinfectant

Recommended use and restrictions: SAFE-SB High Level Harmless Disinfectant is ideal for disinfecting floors, walls, table-tops, door handles, hand railings, 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.

COMPOSITION/ INFORMATION ON INGREDIENTS

Chemical Identification	Component & Composition	CAS NO.
Water	> 90.0 %	7732-18-5
Quaternary Ammonium Compound	0.07 - 3.8%	68424-85-1
Blue Dye	< 0.01 %	NA

PHYSICAL AND CHEMICAL PROPERTIES

Appearance & Odour: Clear blue liquid with mild odour.

Solubility in water: Complete.

Boiling Point: 100 degC

Specific Gravity: 1.000 +/- 0.005 g/cm³

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

TOXICOLOGICAL INFORMATION

Acute toxicity: Oral: LD 50 (rat): > 4500 mg/kg

This product does not contain any known hazardous ingredients.

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

FIRST AID MEASURES

Inhalation: Move to area of fresh air. If breathing has stopped, artificial respiration should be started.

Eye contact: Flush with cool water for at least 15 minutes.
Then consult a physician immediately.

Notes to Physicians: Treatment should be directed at preventing absorption, administering to symptoms (if they occur), and providing supportive therapy.

ECOLOGICAL INFORMATION

Persistence and degradability: Product degrades readily by action of microorganism.

Bioaccumulative potential: It is soluble in water and does not bio-accumulate.

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.

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.

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.
ACCIDENTIAL RELEASE MEASURE
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.
TRANSPORT INFORMATION
This material is non-regulated and no special requirement is necessary. HS Code: 34021200 UN number ADR/RID: Not regulated IMDG: Not regulated IATA: Not regulated UN proper shipping name ADR/RID: Not dangerous goods IMDG: Not dangerous goods IATA: Not dangerous goods.
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.
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
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:

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.