

Safety Data Sheet (SDS)

SuperSteam Sani-Safe

Section 1: Identification

Product Identifier:	SuperSteam Sani-Safe
Recommended Use:	Ready to use QAC based disinfectant suitable for disinfecting hard surfaces and hands with 0.4% (4000 ppm) of Quaternary Ammonium Compound/Benzalkonium Chloride (QAC/BKC). Listed on NEA's " <i>List of Household Disinfectants/Cleaning Products Effective Against Coronaviruses</i> ". Special formulation to activate QAC for greater sanitation ability. Non-toxic and biodegradable.
Supplier:	SuperSteam Asia Pacific Pte Ltd 11 Changi South Street 3 #03-02 Singapore 486122
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This product is made in Singapore in a ISO 22000:2018 compliant facility.

Section 2: Hazards Identification

GHS Classification

Acute Toxicity – Oral:	Category 4
Serious Eye Damage / Irritation:	Category 2

GHS Label Elements

Pictograms:



Signal Word: WARNING

Hazard Statements:

H302:	Harmful if swallowed.
H320:	Causes eye irritation.

Precautionary Statements:

P102: Keep out of reach of children.
P103: Read label before use.

Response:

P301 + P330 + P331: If Swallowed: Rinse mouth, Do NOT induce vomiting.
P305 + P351 + P338: If in eyes: Rinse cautiously with water for several minutes.
Remove contact lenses if present and easy to do. Continue rinsing.

Storage:

P402: Store in a dry place.
P403: Store in a well-ventilated place.

Disposal:

P501: Dispose of contents / containers in accordance with Singapore regulations.

Section 3: Composition / Information on Ingredients

Component Name	CAS	Composition
Benzalkonium chloride (Quaternary ammonium compound) Surfactant	63449-41-2	0.4%

Section 4: First-Aid Measures

General Advice:

Take proper precautions to ensure your own health and safety before attempting rescue and providing first aid. Seek medical advice if you feel unwell. Show this safety data sheet to the doctor in attendance.

Inhalation:

If inhaled, move person into fresh air and keep at rest in a position comfortable for breathing.

Skin Contact:

N.A. (No first-aid measure is required)

Eye Contact:

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If irritation persists, seek medical advice.

Ingestion:

If Swallowed: Rinse mouth, Do NOT induce vomiting. Seek medical advice immediately.

Section 5: Fire-Fighting Measures

Suitable Extinguishing Media:

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Specific Hazards Arising From the Chemical:

Do not allow run-off from fire fighting to enter drains or water courses.

Special Protective Actions for Fire Fighters:

In event of fire, wear self-contained breathing apparatus.

Section 6: Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Measures:

For personal protection, see section 8.

Environmental Precautions:

Do not flush into surface or sanitary sewer system. If the product contaminates rivers, reservoirs or drains, inform respective authorities.

Methods and Materials for Containment and Cleaning Up:

Soak up with inert absorbent material (e.g. sawdust). Keep in suitable, closed containers for disposal.

Section 7: Handling and Storage

Precautions for Safe Handling:

For personal protection, see section 8. Avoid contact with eyes.

Conditions for safe storage, including any incompatibilities:

Keep container tightly closed and properly labelled in a dry and well-ventilated place.

Section 8: Exposure Controls/Personal Protection

Control Parameters / Occupational Exposure Limits:

N.A.

Appropriate Engineering Control Measures:

N.A.

Personal Protection:**Respiratory Protection:**

N.A.

Skin Protection:

N.A.

Eye Protection:

Conditions may warrant the use of chemical goggles and possibly a face shield. Consult your standard operating procedure or safety professional for advice.

Section 9: Physical and Chemical Properties

Appearance at 25°C:	Clear Liquid
Odour:	Characteristic

Property:

pH:	7.5 (+/- 1)
Freezing point:	N.A.

Initial boiling point / range:	Not available
Flashpoint:	Not available
Evaporation Rate:	Not available
Flammability:	N.A.
Upper/lower flammability:	N.A.
Vapour Pressure:	Non volatile
Vapour Density:	N.A.
Relative Density:	1.000
Solubility in water at 25°C:	Completely soluble
Partition Coefficient:	N.A.
Auto-ignition temperature:	Not available
Decomposition temperature:	Not available
Viscosity:	Not available

Section 10: Stability and Reactivity

Reactivity:

N.A.

Chemical Stability:

The product is stable.

Possibility of Hazardous Reactions:

Stable under normal conditions.

Conditions to Avoid:

N.A.

Incompatible Materials:

Avoid adding to soaps, will inactivate active quaternary

Hazardous Decomposition Products:

No hazardous decomposition products are known.

Section 11: Toxicological Information

Inhalation:

Inhalation may cause irritation to mucous membranes.

May cause nausea. May cause headaches.

Eyes:

May cause irreversible eye damage

Ingestion:

May cause irritation to mucous membranes.

May cause gastrointestinal disturbances.

Section 12: Ecological Information

Ecotoxicity Effects:

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Persistence and Degradability

Fully Biodegradable.

Bioaccumulative Potential

The ingredients used demonstrate low potential for bioaccumulation

Mobility in Soil

No available information

Other Adverse Effects

N.A.

Section 13: Disposal Considerations

Dispose of all waste and contaminated equipment in accordance with all applicable federal, state and local health and environmental regulations. Recovery and reuse, rather than disposal, should be the ultimate goal of handling efforts. The materials resulting from the clean-up operations may be hazardous wastes and therefore, subject to specific regulations. Use only licensed transporters and permitted facilities for waste disposal.

Section 14: Transport Information

UN Number: N/A (not classified as hazardous)
This product is not regulated under ICAO/IATA.

Section 15: Regulatory Information

Applicable National Regulations:

Workplace Safety and Health Act and Workplace Safety and Health (General Provisions) Regulations: This product is subject to the SDS, labelling and other requirements in the Act/Regulations.

Environmental Protection and Management Act: This product is subject to the requirements in the Act/Regulations.

Section 16: Other Information

Usage information

Use NEAT, Do not dilute

- Equivalent to 4000 ppm of active quaternary
- Firstly, clean the hard surface (table tops, chairs, etc) thoroughly. Then, spray Sani-Safe and allow it to air dry.
- Also suitable for rinse-free hand application
- To sanitise food processing equipment (frying pots, ovens, etc):

- Firstly, clean the surface of food processing equipment thoroughly.
- Spray and wipe Sani-Safe on the surface.
- Rinse the surface thoroughly.

Expiry date: 2 years from the date of production (unopened cap, intact seal, stored in normal temperature away from high heat and direct sunlight).

Date Created and Latest Revision(s)

28 June 2012: Date of issue of SDS.

17 July 2012: Updated with ISO 22000 compliant facility.

6 October 2012: Updated Sections 1 and 16

26, December, 2014: Updated Section 14

11, May, 2015: Updated Section 3 and 9

2 October 2017: Last review without changes

29 December 2017: Updated Section 16

23 November 2018: Updated Section 1

15 March 2019: Date of review of SDS without any changes

21 October 2019: Updated Section 3

14 February 2020: Updated Section 2, 3 and 11

17 February 2020: Updated Section 1 and 3

17 March 2020: Updated Section 3

26 March 2020: Updated Section 16

20 May 2020: Updated Section 4

26 May 2020: Updated Section 16

20 June 2020: Updated Section 1

2 July 2020: Updated Section 16

1, September, 2020: Updated Section 14

10 November 2020: Updated Section 1

26 March 2022: Updated Section 3

5 September 2022: Updated Section 1

Product proudly manufactured in Singapore.

SuperSteam Asia Pacific Pte Ltd is a one-stop distributor of professional cleaning machines, janitorial supplies and cleaning chemicals. Please feel free to contact us if you have any questions on this product or face any cleaning problems.

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~ End of SDS ~