

## **Safety Data Sheet (SDS)**

### **SuperSteam Sani-Safe**

#### **Section 1: Identification**

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Product Identifier:	<b>SuperSteam Sani-Safe</b>
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 "List of Household Disinfectants/Cleaning Products Effective Against Coronaviruses". Special formulation to activate QAC for greater sanitation ability. Non-toxic and biodegradable. No added fragrance.
Supplier:	SuperSteam Asia Pacific Pte Ltd 11 Changi South Street 3 #03-02 Singapore 486122
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#### **Section 2: Hazards Identification**

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##### **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**

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

## **Section 4: First-Aid Measures**

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**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 persist, seek medical advice.

**Ingestion:**

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

## **Section 5: Fire-Fighting Measures**

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**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

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### **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

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### **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

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### **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

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Appearance at 25°C:	Clear Liquid
Odour:	Characteristic (no added fragrance)

### **Property:**

pH:	7.0 ± 1.5
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:	1.0 – 1.1
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**

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**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**

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**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**

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**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.

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## Section 13: Disposal Considerations

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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.

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## Section 14: Transport Information

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UN Number: N/A (not classified as hazardous)

This product is not regulated under ICAO/IATA.

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## Section 15: Regulatory Information

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**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.

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## Section 16: Other Information

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**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.
- To sanitise hands
  - Use neat, do not dilute
  - Spray it once onto hand and rub it all over. Allow it to air-dry.
  - No rinsing is necessary

**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

**27 October 2023:** Updated Section 9

**10 May 2024:** Updated Section 16

**9 July 2024:** Updated Section 1

**18 July 2025:** Updated Section 1 and Section 9

**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 ~**