

Safety Data Sheet (SDS)

Super-Q

Section 1: Identification

Product Identifier: **Super-Q**
Recommended Use: Concentrated Quaternary Ammonium Compound/Benzalkonium Chloride (QAC/BKC) based disinfectant suitable for disinfecting hard surfaces, food processing equipment and footbaths. Biodegradable. Special formulation to activate QAC for greater sanitation ability

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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

*Super-Q does not irritate the skin at 1:20 dilution.
However, Super-Q may cause skin irritation in neat usage.*

GHS Label Elements

Pictograms:



Signal Word: WARNING

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.
P363: Wash contaminated clothing before reuse.
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
Nonionic Surfactant		<2%
Benzalkonium chloride (Quaternary Ammonium Compound)	63449-41-2	8%

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.

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. Use personal protective equipment and ensure adequate ventilation

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 and clothing. Eating, drinking or smoking in work areas is prohibited. Remove contaminated clothing and protective equipment before entering eating areas.

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:

Effective exhaust ventilation system. Ensure that eyewash stations and safety showers are close to the workstation location.

Personal Protection:

Respiratory Protection:

In case of vapour formation, use a respirator with an approved filter

Eye Protection:

Wear safety glasses as a minimum 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:	10.5 (+/- 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:	1.005
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 IATA/ICAO/IMDG.

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

Recommended Dilution (1 part of chemical to X parts of water)

1:20 dilution

- Contains 0.4% (4000 ppm) of Quaternary Ammonium Compound/Benzalkonium Chloride (QAC/BKC)
- Suitable for hand sanitization and wipe down.

1:50 Dilution

- Contains 0.16% (1600 ppm) of Quaternary Ammonium Compound/Benzalkonium Chloride (QAC/BKC)
- First clean surface / food processing equipment thoroughly
- Soak or spray and allow to air dry
- Suitable to be added into footbaths
- Avoid adding to soaps as the active quaternary will be inactivated
- Effective against the following viruses: feline-pneumonitis, measles, canine distemper, meningitis-pneumonitis, rabies, vaccinia, herpes simplex, foot and mouth disease enterovirus

1:100 Dilution

- Contains 0.08% (800 ppm) of Quaternary Ammonium Compound/Benzalkonium Chloride (QAC/BKC)
- First clean surface / food processing equipment thoroughly
- Soak or spray and allow to air dry
- Suitable to be added into footbaths
- Avoid adding to soaps as the active quaternary will be inactivated
- Effective against the following bacteria: *Listeria monocytogenes*, *Bacillus cereus*, *Staphylococcus aureus*, *Staphylococcus typhimurium*, *Pseudomonas aeruginosa*, *Escherichia coli*

Super-Q can be mixed with Supersteam's multipurpose cleaners such as Heavenly/Refreshing Floral and Heavenly/Refreshing Lime. However, Super-Q must never be mixed with Heavenly/Refreshing Apple, Refreshing Clean and ND-80.

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 Section 3 and 16.

26, December, 2014: Updated Section 14

11, May, 2015: Updated Section 3 and 9

28, Mar, 2016: Updated Section 16

29 December 2017: Updated Section 16

23 November 2018: Updated Section 1

21 October 2019: Updated Section 3

5 February 2020: Updated Section 3

14 February 2020: Updated Section 2, 3, 4, 6, 7, 8, 11 and 16.

17 February 2020: Updated Section 1, 3 and 16

27 February 2020: Updated Section 16

31 March 2020: Updated Section 14

30 September 2020: Updated Section 14

6 October 2020: Updated Section 16

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 ~