

Ordering Information

Code: KSQ5020
 Unit Pack Size: SuperQuat 50 20L
 Pack Weight (kg) 24.9
 Pack Volume (m³) 0.03
 Packaging: UN rated 20L clear plastic containers.

Code: KSQ505
 Unit Pack Size: SuperQuat 50 5L
 Pack Weight (kg) 6.3
 Pack Volume (m³) 0.008
 Packaging: UN rated 5L clear plastic containers.

Code: KSQ502
 Unit Pack Size: SuperQuat 50 2L
 Pack Weight (kg) 2.47
 Pack Volume (m³) 0.003
 Packaging: UN rated 2L clear plastic containers.

Description

Clear liquid.

Chemistry: Benzyl-C12-16-alkyldimethylammonium chloride solution
 Commonly referred to as Benzalkonium chloride or Quat
 Quaternary ammonium chloride

CAS No: 68424-85-1

For safety information refer to SDS (Safety Data Sheet)

Specification

PARAMETER	SPECIFICATION	TYPICAL
Appearance	Clear liquid	Complies
% Activity	50.0 to 52.0%	50.5
pH (10% solution)	6.5 to 8.5	8

Approvals

HSNO Approval Number: HSR005068

World CDC (Centers for Disease Control and Prevention) approves a 0.1% solution of Benzalkonium chloride for control of Corona virus (Covid-19). With some approval as low as 0.05%

Application

SuperQuat 50 or Quaternary Disinfectants.

SuperQuat 50 is a 50% solution of Benzalkonium chloride or N-Alkyl Dimethylbenzyl Ammonium Chloride which is a quaternary ammonium chloride product commonly used as a disinfectant.

A concentration of 0.10% active quaternary ammonium compound can provide effective control of viruses if allowed for a suitable contact time. Typically, minutes.

The concentration of 0.10% active quaternary ammonium compound is recommended by the world CDC (Centers for Disease Control and Prevention) for control of the Coronavirus, Covid-19 or the Chinese virus.

To allow for product loss and dilution errors a HamChem recommended minimum of 0.25% active quaternary ammonium solution can be used on a great variety of surfaces without detriment to the surface.

SuperQuat 50 is a super concentrate product so a small quantity of the concentrate makes a large quantity of 0.25% active Quaternary Ammonium disinfectant. A dilution of 200 times.

2L of SuperQuat 50 will dilute to produce 400 L of 0.25% quaternary disinfectant.

5L of SuperQuat 50 will dilute to produce 1000 L of 0.25% quaternary disinfectant.

20L of SuperQuat 50 will dilute to produce 4000 L of 0.25% quaternary disinfectant.

Note: Quaternary Ammonium compound is a surface activating compound or surfactant so it also acts as a surface cleaner.

Directions

Hard and soft surfaces - General purpose disinfectant.

Used for kitchen areas, tables, benches, mirrors, wood, walls, wall paper, painted surfaces, upholstery, leather, vehicles, cardboard boxes, tools, footwear, desks

Dilution of SuperQuat 50 product to produce a 0.25% Quaternary Ammonium solution.

- 1) 10L of tap water
- 2) 50mls of SuperQuat 50

OR

- 1) 3L of tap water
- 2) 1 x cap of SuperQuat 50 (The cap is from the 2L or 5L pack sizes)

Also remove the remaining product from the cap by dipping or swirling in your prepared solution.

Clothes Soak disinfectant.

Quaternary Ammonium compounds are deactivated by dirt or organic contamination so fresh product should be prepared for each batch of clothing.

A minimum of a 30 to 60-minute soak time is ideal. Some dye run may be experienced.

Soak clothing in a separate container and transfer after the minimum soak time with clothes still wet to the washing machine and wash as usual. Because SuperQuat 50 is a cleaner additional cleaning detergent powder may not be required.

If additional cleaning is required it is preferred to rinse cycle first before washing with other detergent solutions or powders.

Dilution of SuperQuat 50 product (A 0.25% Quaternary Ammonium solution)

- 1) 10L of tap water
- 2) 50mls of SuperQuat 50

OR

- 1) 3L of tap water
- 2) 1 x cap of SuperQuat 50 (The cap is from the 2L or 5L pack sizes)

Also remove the remaining product from the cap by dipping or swirling in your prepared solution.

Floor and Walkways disinfectant.

Quaternary Ammonium compounds are deactivated by dirt or organic contamination so a higher concentration of quaternary compound should be used when cleaning floors.

Can also be sprayed onto walkway areas such as asphalt and concrete. Typically, when spraying onto walk areas the diluted product should be applied at a rate of 1.5 L per 10 square meters or sufficient quantity to fully wet out the surface.

Dilution of SuperQuat 50 to produce a 0.50% Quaternary Ammonium solution.

- 1) 10L of tap water
- 2) 100mls of SuperQuat 50

OR

- 1) 3L of tap water
- 2) 2 x caps of SuperQuat 50 (The cap is from the 2L or 5L pack sizes)

Also remove the remaining product from the cap by dipping or swirling in your prepared solution.

Boots and shoe disinfectant trays.

Quaternary Ammonium compounds are deactivated by dirt or organic contamination so a higher concentration of quaternary compound should be used when used for disinfectant trays. The solution must be changed when becoming dirty as the organic compounds present will in time deactivate the efficiency of the disinfectant.

Also, walk-on mats wetted with SuperQuat 50 will provide some degree of control on shoes but not as effective as a solution in foot bath or tray.

The mats will need to be maintained fully wetted.

Boots and shoe disinfectant trays. - continued

Dilution of SuperQuat 50 to produce a 0.75% Quaternary ammonium solution.

- 1) 10L of tap water
- 2) 150mls of SuperQuat 50

OR

- 1) 3L of tap water
- 2) 3 x caps of SuperQuat 50 (The cap is from the 2L or 5L pack sizes)

Also remove the remaining product from the cap by dipping or swirling in your prepared solution.

Note:

Clean diluted or prepared solutions of SuperQuat 50 will remain stable and active for many months.

The product becomes deactivated by dirt or organic material.