

What is Powerquat?

POWERQUAT is a concentrated sanitiser based on twin-chain quaternary ammonium compound. It is a strong and versatile sanitiser for use in food-processing and beverage plants, dairies and meat-processing works.

Key Benefits

- ✓ Very strong and effective on gram-positive and gram-negative bacteria.
- ✓ Wide applications in surface disinfection
- ✓ Effective on bacteria, mould and algae
- ✓ Odourless to suit food-processing areas
- ✓ Enables rinse-free sanitising at 1:150
- ✓ Solutions are non-toxic
- ✓ Safe to use on all metal food processing equipment
- ✓ Applied by foaming, fogging, spraying or soaking

How Does It Work?

POWERQUAT is a twin-chain quaternary-ammonium-based sanitiser that has broad germ-killing capabilities. It also possesses some surface-active properties that provide some detergency and good surface-wetting characteristics. Quaternary ammonium compounds are effective at destroying bacteria, moulds, fungi and algae. POWERQUAT is a low-toxicity product that is stable to light and heat. Its potency does not decline over time.

For Use On ...

POWERQUAT is a concentrated food-grade sanitiser for use in kitchens and food processing areas. It is an excellent sanitiser for sanitising general surfaces, pots and pans, floors, filling machines, cookers, tables, non-porous cutting implements, conveyor belts and mixing pans. When sanitised with POWERQUAT these items are rendered free from bacteria.

Approvals

POWERQUAT has passed independent laboratory tests for biocidal performance against: *pseudomonas aeruginosa*, *staphylococcus aureus* and *Escherichia coli*. POWERQUAT achieved excellent kill rates after 5 minutes contact time. For more information, please consult your Agar representative.

POWERQUAT is suitable for use in Category 6 as a Sanitiser (non-rinse) for use in all departments of establishments registered under the Export Control Act 1982 Export Meat Orders by the Australian Quarantine and Inspections Service (AQIS) for preparation of meat and meat products for export.

Technical Data

Properties



- COLOUR – Colourless transparent liquid
- ODOUR – Odourless
- pH = 6.0 – 8.0
- FOAM – Low foam
- SOLUBILITY – Completely soluble in water

Environmental Care



POWERQUAT conforms with all statutory environmental requirements. It is based on safe ingredients selected to perform efficiently so there is no waste or damage. POWERQUAT is non-flammable. POWERQUAT containers will be cleaned and reused if returned to Agar Cleaning Systems Pty Ltd, significantly reducing plastic usage and waste. They can also be recycled.

Quality

The design, manufacture and supply of all Agar chemical products is controlled by the Agar Quality Management System which is registered and externally audited by SAI Global as complying with the requirements of AS/NZS ISO 9001 "Quality Management Systems – Requirements". First Certified: 30 April 1996 SAI Certificate No.: QEC7358

Application

- **RINSE-FREE SANITISING:** If POWERQUAT is diluted to 1 in 150 (0.66%) (this is 133ml per 20L of water), it is not necessary to rinse after use, just drain well. [If used stronger than 0.66%, rinsing with potable water is required.]
- Before sanitising with POWERQUAT, all surfaces must be cleaned with an Agar detergent such as PRESTO and then rinsed with potable water.
- **PROCESSING EQUIPMENT:** Dilute POWERQUAT to 1 in 150 (this is 133ml of POWERQUAT per 20L of water) then spray or soak all cleaned surfaces with this solution. Ensure contact for at least 1 minute. Rinsing is not required for this dilution rate but treated surfaces should be adequately drained before processing operations resume.
- **FLOORS AND WALLS:** Dilute POWERQUAT to between 1 in 80 and 1 in 40 (this is 250ml to 500ml per 20L of water) depending on degree of contamination. Apply solution with foamer, sprayer, cloth, mop or sponge. Prevent direct contact with foodstuffs. Leave the solution in contact with surface for at least 1 minute to kill any bacteria.

Agar Cleaning Systems maintains Safety Data Sheets (SDS) on all of its products. These sheets contain information that you may need to protect your employees and customers against health or safety hazards associated with our product. Agar Cleaning Systems recommends that you obtain a copy of the respective SDS sheet prior to using this product. The information in the Product Data Sheet is based on data we believe to be reliable. It is offered in good faith, but without guarantee, as conditions and methods of use of our product are beyond our control.



POWERQUAT

Twin Chain Quaternary Sanitiser for the Food Processing Industry

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Product Data Sheet

Product Code: POW

Issued: April 15, 2020

- **DRAINS:** For soaking of drains, dilute POWERQUAT to 1 in 30 (this is 667ml per 20L of water).
- **FOOT BATHS:** Dilute POWERQUAT to 1 in 30 to 1 in 15 (this is 667ml to 1.33L per 20L of water). Discard this solution when it has become visibly soiled.
- **FOGGING:** Dilute POWERQUAT to 1 in 30 (this is 667ml per 20L of water) and use 1 litre of solution per 50 cubic metres of air volume. (Please note: Fogging should only be done according to a documented procedure that safeguards the personnel and the foodstuffs in the vicinity. Rinsing will be required at this dilution rate.)
- **RECIRCULATION (CIP) SANITISING:** Dilute to 1 in 30 (this is 667ml per 20L of water at 50° to 80°C. Recirculate for 10 to 20 minutes depending on the degree of soilage. Flush with potable water to rinse.

STORAGE OF DILUTED PRODUCT:

To ensure the best results when using POWERQUAT:

1. Once the product has been diluted with water, use within one month.
2. When making a new solution, always use a clean, dry container. It is good practice to discard the old solution, wash out the container, let it dry overnight then add the fresh solution to the clean, empty container.
3. Do not "top up" old solutions with new solutions as this can lead to contamination.
4. Do not mix POWERQUAT with soap or any other chemicals as this may de-activate the sanitiser.

Available in: 5L, 20L

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