

# Casacide™ DB5050

## Optimised Combination of Quat and Phenolic Compounds



High  
Concentration  
formulated active



UK Manufacture,  
integrated global  
supply network



Cost-efficient  
Formulation

### Product Description

Casacide™ DB5050 is a 50/50 liquid blend of phenolic antimicrobial actives and Benzalkonium Chloride (BKC) surfactant in IPA. This combination delivers a highly stable, high concentration and effective antimicrobial active, making it an effective broad-spectrum disinfectant base. Casacide™ DB5050 is suitable for use in a wide range of institutional, industrial, veterinary, and household disinfectant formulations.

### Applications

- Household and institutional disinfectants
- Hard surface cleaners and sanitisers
- Industrial and veterinary hygiene products
- Personal care antiseptics (where permitted by regulation)
- Preservative in detergent and cleaning formulations

### Features and Benefits

- High active content, maximises cost effectiveness in use.
- Broad-spectrum protection: effective against Gram-positive and Gram-negative bacteria, fungi, and selected viruses.
- Versatile solvent compatibility: can be formulated into aqueous and detergent-based systems.
- Reliable disinfectant base: well-established ingredients with decades of safe and effective global use.
- Energy independent as a result of our on-site anaerobic digestion facility
- Trusted partner- celebrating 100 years of chemical manufacturing in 2026
- Global network of sales offices, direct logistics and US and UK formulating production centres ensuring security of supply and short lead times from stock.

### Mode of Action

The phenolic content of Casacide™ DB5050 disrupts microbial cell membranes and denatures proteins, while BKC ensures stability, dispersion to maximise effect and easy formulation with other ingredients. Together, these actions result in a rapid and broad-spectrum antimicrobial effect, providing effective protection against bacteria, fungi, and selected viruses.



Committed to Responsible Care



**Thomas Swan**  
Industrial Specialities

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### Selling Specification

Appearance	Amber liquid free of particulates
Specific Gravity at 25°C (g/ml)	Typical = 0.98
Total Xylenols (%)	23 to 27
Alkylbenzyltrimethylammonium Chloride (BKC) (%)	23 to 27

### Packaging

200 kg UN-approved drums

1000 kg IBCs

Other pack type available upon request

### Shelf Life

36 months from manufacture when stored in tightly sealed containers, in a cool, dry place away from direct sunlight.

### Handling

Irritant – avoid skin and eye contact; use PPE when handling

Avoid inhalation of vapours or aerosols

Store in original containers, away from incompatible materials such as strong oxidising agents

Follow all local regulatory requirements for storage and handling of disinfectant actives

### Guidelines for Use

Typical use levels: 0.1 – 2.0% active content depending on application

Suitable for incorporation into surface disinfectants, sanitizers, and cleaning concentrates

Always check local regulatory approvals before use in biocidal or personal care applications

### Inventory Status

All components of this product are UK and EU REACH compliant.

**It is the responsibility of the end-user to review the chemical control regulations for each country.**

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