



AV8312(4)

# GK Concentrate™ Disinfectant Cleaner

TECHNICAL DATA SHEET

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AIRCRAFT DISINFECTANT

DEODORANT

ALLERGEN REDUCER

**GK Concentrate™ Disinfectant Cleaner is a premium water-based, non-toxic disinfectant concentrate designed to ensure the highest standards of hygiene in the airline industry.**

Featuring third-generation quaternary ammonium compounds (quats) as its active ingredient, GK Concentrate™ Disinfectant Cleaner delivers superior antimicrobial efficacy, eliminating up to 99.99999% of germs. This advanced formula provides broad-spectrum disinfection, making it highly effective against a wide range of bacteria, viruses and fungi.

The multi-purpose disinfectant not only cleans and disinfects but also protects surfaces, leaving a long-lasting, refreshing floral fragrance. With a high dilution ratio of 1:40, it is both cost-effective and ideal for daily use on all surfaces within the aircraft cabin. GK Concentrate™ Disinfectant Cleaner is gentle on surfaces, non-corrosive and eco-friendly, ensuring safe and sustainable cleaning practices.



## ✓ Product Features and Benefits

### ✓ Broad-Spectrum Efficacy

Effective against a wide range of bacteria, viruses, and fungi, ensuring comprehensive disinfection

### ✓ Water-Based Formula

Does not damage aircraft interiors and plastics while meeting aircraft specifications for disinfectants.

### ✓ Non-Toxic

Safe for use in enclosed environments like aircraft cabins; does not emit harmful fumes.

### ✓ Eco-Friendly

Biodegradable formula that is environmentally responsible.

### ✓ Hospital-Grade Disinfectant

Cleans, disinfects and deodorises in one step, ensuring a high level of surface disinfection.

### ✓ Non-Corrosive

Gentle on surfaces, including metals, plastics and fabrics, ensuring long-term use without damage.

### ✓ Allergen Reducer

Removes allergen from surfaces, making it safe for sensitive individuals.

### ✓ Cost-Effective

High dilution ratio (1:40) ensures economical use.



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## ✓ Product Features and Benefits

- ✓ **Quick Drying**  
Formulated to dry quickly, reducing downtime and allowing for rapid turnaround between flights.
- ✓ **Versatile Application**  
Suitable for use on a variety of surfaces, including seats, tray tables, armrests, lavatories and galleys.
- ✓ **No Rinse Required**  
Residue-free formula that does not require rinsing after application, making it easy to use.
- ✓ **Pet-Friendly**  
Safe for use in environments where service animals may be present.
- ✓ **Regulatory Compliance**  
Meets industry standards and regulatory requirements for aviation safety and cleanliness.
- ✓ **User-Friendly**  
Easy to dilute and apply with standard cleaning equipment, including fogging or electrostatic spray machines.
- ✓ **Pleasant Fragrance**  
Leaves a refreshing floral scent that enhances passenger comfort.
- ✓ **Food-Safe**  
Complies with NSF guidelines for use in food processing establishments.

## Meets Aircraft Requirements

**AMS1452C** • Aircraft Disinfectant Cleaner

**BOEING BSS7432 (D6-17487)** • Boeing Specification for Disinfectant Cleaner

**AMS1550B** • Cleaner for Interior Aircraft Surfaces

**BOEING BSS7434 (D6-7127)** • Boeing Specification for Aircraft Interior Cleaner

## Effective Against a Variety of Pathogens

- ✓ SARS-CoV-2 (COVID-19)
- ✓ Influenza A (H1N1)
- ✓ Rotavirus (Gastroenteritis)
- ✓ Staphylococcus aureus (Staph)
- ✓ Pseudomonas aeruginosa
- ✓ Salmonella typhimurium
- ✓ Escherichia coli (E. Coli)
- ✓ Proteus vulgaris
- ✓ Candida albicans
- ✓ Canine parvovirus
- ✓ Trichophyton mentagrophytes (Ringworm)
- ✓ Leptospira biflexa (Leptospirosis)
- ✓ Mould and Mildew
- ✓ Most positive and negative gram bacteria
- ✓ Most enveloped viruses (e.g. Hepatitis B, HIV)



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## Certifications

### GK Concentrate™ Disinfectant Cleaner meets the following standards

- ✓ ASTM 1053 efficacy evaluation for virucidal agents (U.S. EPA standard)
- ✓ AOAC requirements for Hospital Grade surface Disinfectants
- ✓ BS EN1040:2005 – bactericidal activity test
- ✓ OECD Testing Guidelines of Chemicals for Health Effects
- ✓ NSF requirements for use in food-processing establishments
- ✓ Certified Production Compliance to ISO 9001:2015 and ISO 14001:2015 – adherence to rigorous quality and environmental management standards



## Product Specifications

## ✓ Applications

### Standard Specifications

- ✓ Appearance
- ✓ Colour
- ✓ Scent
- ✓ pH (Acidity)
- ✓ Solubility
- ✓ Flammability
- ✓ Specific Gravity

### Acceptance Criteria

- Liquid
- Clear
- Jasmine
- pH 7 (Neutral-based)
- Soluble
- Non-Flammable
- 0.99 ± 0.03

**GK Concentrate™ Disinfectant Cleaner is highly effective in cleaning and disinfecting various surfaces within the aircraft, including tray tables, armrests, seat belts, lavatories, galleys and other high-touch areas.**

For disinfecting surfaces, mix 1 part of GK Concentrate™ Disinfectant Cleaner with 40 parts of water (3.2 ounces in 1 gallon). Wet the surfaces using a mop, cloth, sponge, hand pump trigger sprayer, or low-pressure coarse sprayer. Ensure the surfaces stay wet for at least 3 minutes before wiping away any excess liquid. Use a brush, sponge, or cloth to scrub if necessary. Pre-clean heavily soiled areas before disinfecting.

## Health Effects OECD Test Results for Health Effects of GK Concentrate™ Disinfectant Cleaner

Test Guideline Number	Title	Result	Category
OECD TG 401	Acute Oral Toxicity	5000 mg/kg of bodyweight	Category 5 / Non-Toxic
OECD TG 402	Acute Dermal Toxicity	2000 mg/kg of bodyweight	Category 5 / Non-Toxic
OECD TG 403	Acute Inhalation Toxicity	5.08 mg/L of air (4 hours exposure)	Category 5 / Non-Toxic
OECD TG 404	Acute Dermal Irritation/Corrosion	Non-Irritant	Non-Irritant
OECD TG 405	Acute Eye Irritation/Corrosion	Non-Irritant	Non-Irritant
OECD TG 406	Skin Sensitisation	Not a Skin Sensitiser	Not a Skin Sensitiser



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## Precaution

KEEP OUT OF REACH OF CHILDREN. Keep away from direct sunlight. Do not expose to temperature exceeding 50°C. Do not ingest, if product is ingested, seek medical advice. Not intended for skin. Avoid spraying directly to the face. IF IN EYES: Rinse cautiously with water for several minutes. IF ON SKIN: Wash with plenty of soap and water. If skin or eye irritation occurs, seek medical attention.

## Ordering Information

Code	Description	Packaging	Units/Carton
AV8312(4)-P500	GK CONCENTRATE™ DISINFECTANT CLEANER (500ML)	500ml	24
AV8312(4)-P5	GK CONCENTRATE™ DISINFECTANT CLEANER (5L)	5L	4

**Shelf Life:** 36 months

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