



AV8312(4)

GK Concentrate™ Disinfectant Cleaner

TECHNICAL DATA SHEET

AIRCRAFT DISINFECTANT

DEODORANT

ALLERGEN-REDUCING SURFACE

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 1:80, 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-Corrosive**
Gentle on surfaces, including metals, plastics, and fabrics, ensuring long-term use without damage.
- ✔ **Eco-Friendly**
Biodegradable formula that is environmentally responsible.
- ✔ **Hospital-Grade Disinfectant**
Cleans, disinfects, and deodorizes in one step, ensuring a high level of surface disinfection.
- ✔ **Non-Toxic**
Safe for use in enclosed environments like aircraft cabins; does not emit harmful fumes.
- ✔ **Allergen-reducer**
Removes allergen from surfaces, making it safe for sensitive individuals.
- ✔ **Cost-Effective**
High dilution ratio (1:80) 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.
- ✓ **Pleasant Fragrance**
Leaves a refreshing floral scent that enhances passenger comfort.
- ✓ **Versatile Application**
Suitable for use on a variety of surfaces, including seats, tray tables, armrests, lavatories, and galleys.
- ✓ **User-Friendly**
Easy to dilute and apply with standard cleaning equipment, including fogging or electrostatic spray machines.
- ✓ **No Rinse Required**
Residue-free formula that does not require rinsing after application, making it easy to use.
- ✓ **Regulatory Compliance**
Meets industry standards and regulatory requirements for aviation safety and cleanliness.
- ✓ **Pet-Friendly**
Safe for use in environments where service animals may be present.
- ✓ **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



Product Specifications

Standard Specifications

- ✓ Appearance
- ✓ Color
- ✓ Smell
- ✓ pH (Acidity)
- ✓ Solubility
- ✓ Flammability
- ✓ Specific Gravity

Acceptance Criteria

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

Applications

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 80 parts of water (1.6ounces 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 Sensitization	Not a Skin Sensitizer	Not a Skin Sensitizer



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Precaution

KEEP OUT OF REACH OF CHILDREN. Do not ingest, if product is ingested then seek medical advice. 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



For more information,
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