



AV8312(1)

GK Air™ Inflight Disinfectant

TECHNICAL DATA SHEET

REV #02. PAGE 1 OF 4
DATE : 10 DEC 2025

AIRCRAFT DISINFECTANT

SURFACE CLEANER

AIR FRESHENER AND DEODORANT

GK Air™ Inflight Disinfectant is a versatile, non-toxic air disinfectant perfect for enhancing the air quality within aircraft cabins.

Formulated to eliminate up to 99.9999% of germs, GK Air™ Inflight Disinfectant ensures a healthier and more pleasant environment for both passengers and crew. Its water-based formula actively destroys odour-causing bacteria and leaves a refreshing green tea fragrance, making it an ideal choice for in-flight hygiene and comfort.

Fragrances available: Green Tea, Yuzu, Blossom, Atlantic and Ocean.
Customised fragrances and logo available upon request.



Product Features and Benefits

- Water-Based Formula**
Does not damage aircraft interiors and plastics while meeting aircraft specifications for disinfectants.
- Tested for Safety**
Non-irritant to eyes and skin, and non-toxic on acute inhalation and oral toxicity, in accordance with OECD Testing Guidelines.
- Convenient and Ready to Use**
Easy application for quick and effective disinfection.
- Pleasant Fragrance**
Features a choice of refreshing scents, including customised options, enhancing the in-flight experience.
- Hospital-Grade Disinfectant**
Cleans, disinfects and deodorises in one step, ensuring a high level of surface disinfection.
- Safe for Daily Use**
Suitable for use in the presence of passengers and crew, ensuring the health safety of all on board.
- Environmentally Friendly**
Propellant-free formulation, offering an environmentally conscious alternative.
- Regulatory Compliance**
Meets industry standards and regulatory requirements for aviation safety and cleanliness.



©2025 Vance Chemicals Pte Ltd. For more information, contact us:

www.gk-germkiller.com sales@gk-germkiller.com [+65 6863 0863](tel:+6568630863)



AV8312(1)

GK Air™ Inflight Disinfectant

TECHNICAL DATA SHEET

REV #02. PAGE 2 OF 4
DATE : 10 DEC 2025

Meets Aircraft Requirements

AMS1453A • Aircraft Disinfectant Cleaner

AMS 1550B • Cleaner for Interior Aircraft Surfaces

AIRBUS AIMS09-00-002 • Airbus Industries
Material Specification for Cleaning Products for
Aircraft Interiors

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

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

DOUGLAS CSD no. 1 • Douglas Aircraft Company
Specification for General Purpose Cleaner

Effective Against a Variety of Pathogens

- ✓ SARS-CoV-2 (COVID-19)
- ✓ Influenza A (H1N1)
- ✓ Staphylococcus aureus (Staph)
- ✓ Pseudomonas aeruginosa
- ✓ Escherichia coli (E.Coli)
- ✓ Bacillus cereus
- ✓ Proteus vulgaris
- ✓ Candida Albicans

Certifications

GK Air™ Inflight Disinfectant 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
- ✓ Certified Production Compliance to ISO 9001:2015 and ISO 14001:2015 – adherence to rigorous quality and environmental management standards

✓ Applications

☞ Air Disinfection

Cabin Air Quality: Spray GK Air™ Inflight Disinfectant into the air of the aircraft cabin to eliminate airborne germs and refresh the air. This can be done before boarding and after passengers have disembarked to maintain a clean atmosphere.

During Flights: Use GK Air™ Inflight Disinfectant during flights to continuously purify the air, ensuring a pleasant and safe journey for passengers.



©2025 Vance Chemicals Pte Ltd. For more information, contact us:

www.gk-germkiller.com sales@gk-germkiller.com [+65 6863 0863](tel:+6568630863)



AV8312(1)

GK Air™ Inflight Disinfectant

TECHNICAL DATA SHEET

REV #02. PAGE 3 OF 4
DATE : 10 DEC 2025

✓ Applications

Surface Disinfection

Cabin Floors and Seats: Spray GK Air™ Inflight Disinfectant directly onto the cabin floors and seats before boarding and after passengers disembark to disinfect and deodorise these high-contact areas.

Lavatories: Regularly spray GK Air™ Inflight Disinfectant into the aircraft lavatories to disinfect and neutralize odours, maintaining a hygienic environment.

Tray Tables and Armrests: Apply GK Air™ Inflight Disinfectant to tray tables and armrests and wipe dry to ensure thorough disinfection.

Cockpit and Crew Areas: Use GK Air™ Inflight Disinfectant in cockpit and crew areas to maintain a clean and safe workspace for the flight crew.

Odour Elimination

Spill and Vomit Areas: Directly spray GK Air™ Inflight Disinfectant on areas affected by spills or vomiting to eliminate stubborn odours and disinfect the surfaces.

General Odor Control: Use GK Air™ Inflight Disinfectant throughout the cabin to control and neutralise unpleasant odours, ensuring a fresh-smelling environment.

Product Specifications

Standard Specifications

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

Acceptance Criteria

Liquid
Clear
Green Tea (Default)
pH 7 (Neutral-based)
Soluble
Non-Flammable
0.99 ± 0.03



©2025 Vance Chemicals Pte Ltd. For more information, contact us:

 www.gk-germkiller.com  sales@gk-germkiller.com  +65 6863 0863



AV8312(1)

GK Air™ Inflight Disinfectant

TECHNICAL DATA SHEET

REV #02. PAGE 4 OF 4
DATE : 10 DEC 2025

Health Effects

OECD Test Results for Health Effects of GK Air™ Inflight Disinfectant

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	5.03 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

Precaution

KEEP OUT OF REACH OF CHILDREN. For external use only. Keep in a cool, dry place away from direct sunlight, fire or flame. 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 eye irritation persists, get medical attention.

Ordering Information

Code	Description	Packaging	Units/Carton
AV8312(1)-AL200VP	GK AIR™ INFLIGHT DISINFECTANT (200ML)	200ml	24
AV8312(1)-AL300VP	GK AIR™ INFLIGHT DISINFECTANT (300ML)	300ml	24

Shelf Life: 36 months

DISCLAIMER - The information provided in this Technical Data Sheet (TDS) is based on the Company's current knowledge and is believed to be accurate and reliable as of the date of issue. This information is offered solely for your consideration, investigation and verification. It does not constitute a guarantee or warranty, expressed or implied, for which the Company assumes legal responsibility. Always refer to the Safety Data Sheet (SDS) for detailed safety, handling, and emergency procedures. All contents of this document are the property of Vance Chemicals Pte Ltd and may not be reproduced, distributed, or used outside of this document without prior written consent.



©2025 Vance Chemicals Pte Ltd. For more information, contact us:

www.gk-germkiller.com sales@gk-germkiller.com [+65 6863 0863](tel:+6568630863)