



# Safety Data Sheet

## SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

<b>Product Name/Identifier</b>	GK Air Inflight Disinfectant (Pump)
<b>Product Code</b>	AV8312(1)
<b>Product Use</b>	Air disinfectant & deodoriser
<b>Company Information</b>	Vance Chemicals Pte Ltd No.24 Gul Lane Singapore 629418 +65 6863 0863 <a href="mailto:msds@mr-mckenic.com">msds@mr-mckenic.com</a>
<b>Emergency Contact</b>	+65 9299 8024

## SECTION 2 HAZARDS IDENTIFICATION

### GHS CLASSIFICATION

Health	Environmental	Physical
Not Classified	Not Classified	Not Classified

**GHS LABEL:**  
Not Classified

**There is no risk or hazards based on GHS classification criteria.**

## SECTION 3 COMPOSITIONS / INFORMATION ON INGREDIENTS

Chemical Identity	CAS #	Weight %
Benzethonium chloride	121-54-0	<3
Ethanol	64-17-5	<1
Non-hazardous materials	Mixture	>90

## SECTION 4 FIRST AID MEASURES

### Eye Contact

Immediately flush eyes with large amounts of water for at least 15 minutes while holding the eyelids open. If redness, swelling, pain and blister occur, transport to the nearest medical facility for additional treatment.

### Skin Contact

If redness, swelling, pain and blister occur, transport to the nearest medical facility for additional treatment.

### Inhalation

Remove the victim into fresh air. Seek for medical treatment in the event of symptoms.



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## **Ingestion**

Seek medical advice immediately. Rinse mouth with water and do not induce vomiting.

## **SECTION 5 FIRE FIGHTING MEASURES**

### **Suitable Extinguishing Media**

Use extinguishing agents appropriate for surrounding fire.

### **Unsuitable Extinguishing Media**

No restrictions

### **Specific Hazards Arising from the Chemical**

Hazardous decomposition products. Burning produces irritant fumes.

### **Protection for Fire-fighters**

Evacuate personnel to safe areas. Intervention only by capable personnel who are trained and aware of the hazards of the product. In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode. Clean contaminated surface thoroughly.

## **SECTION 6 ACCIDENTAL RELEASE MEASURES**

### **Personal Precautions and Protective Equipment**

Refer to protective measures listed in sections 7 and 8. Prevent further leakage or spillage if safe to do so. Keep away from incompatible products. Isolate the area.

### **Environmental Precautions**

Prevent discharges into the environment (sewers, rivers, soils). Immediately notify the appropriate authorities in case of discharge.

### **Method for Cleaning Up & Containment**

Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container. Call for assistance for disposal.

### **Emergency Procedures**

Shut off leaks, if possible without personal risks. Prevent from spreading or entering drains, ditches or rivers by using sand, earth or other appropriate barriers. Take precautionary measures against static discharge. Ensure electrical continuity by bonding and grounding (earthing) all equipment. Monitor area with combustible gas indicator.

## **SECTION 7 HANDLING AND STORAGE**

### **Precautions for Safe Handling**

Do not eat, drink or smoke in work area. Avoid contact with eye, skin and clothing. After handling, always wash hands thoroughly with soap and water. Use only with adequate ventilation. Avoid breathing vapors or spray mists. Avoid large quantities of material into live electrical motors and other such equipments.

### **Conditions for Safe Storage**

Keep container dry. Ground all equipment containing material. Keep container tightly closed. Keep in a cool, well-ventilated place.



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Storage Temperature : Ambient  
 Storage/Transport Pressure : Atmospheric

## SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Component	ACGIH TLV	ACGIH STEL	OSHA PEL	OSHA STEL
Benzethonium Chloride	Not Established	Not Established	Not Established	Not Established
Ethanol	1000ppm	Not Established	1000ppm	1900ppm

### Engineering Controls

Ensure adequate ventilation. Provide appropriate exhaust ventilation at machinery. Refer to protective measures listed in sections 7 and 8. Apply technical measures to comply with the occupational exposure limits.

### Personal Protective Equipment (PPE)

#### Eye Protection

Eye protection is not required under normal conditions of use. If material is handled such that it could be splashed into eyes, wear plastic face shield or splash-proof safety goggles.

#### Skin Protection

No skin protection is required for single, short duration exposures. For prolonged or repeated exposures, use impervious clothing (boots, gloves, aprons, etc) over parts of the body subjected to exposure. Launder soiled clothes. Properly dispose of contaminated leather articles including shoes, which cannot be decontaminated. Use rubber gloves if necessary.

#### Respiratory Protection

In the case of hazardous fumes, wear self-contained breathing apparatus. Self-contained breathing apparatus in medium confinement/insufficient oxygen/in case of large uncontrolled emissions/in all circumstances when the mask and cartridge do not give adequate protection.

#### Thermal Hazards

NA

## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Clear
<b>Odour</b>	Green Tea
<b>Odour Threshold</b>	Not determined
<b>pH</b>	5 - 7
<b>Melting Point/ Freezing Point (°C)</b>	Not determined
<b>Initial boiling point and range (°C)</b>	Not determined
<b>Flash Point (°C) [According to</b>	No flash point detected (From ambient temperature to 93°C)



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## ISO 3679, Closed Cup Testing]

<b>Evaporation Rate</b>	Not determined
<b>Flammability (solid, gas)</b>	Not applicable
<b>Vapour Pressure</b>	Not determined
<b>Upper/lower Flammability (Explosive) Limits:</b>	Not determined
<b>Vapour Density</b>	Not determined
<b>Relative Density</b>	0.86 ± 0.03
<b>Solubility in water</b>	Soluble
<b>Partition coefficient (N-Octanol/water)</b>	Not determined
<b>Auto-ignition Temperature (°C)</b>	Not determined
<b>Decomposition Temperature:</b>	Not determined
<b>Viscosity (mPa s)</b>	Not determined

## SECTION 10 STABILITY AND REACTIVITY

### Reactivity/Incompatible Materials

Acid chlorides, acid anhydrides, oxidizing agents, chloroformates and reducing agents.

### Chemical Stability

Stable at normal conditions of use.

### Possibility of Hazardous Reactions

Not determined

### Hazardous Decomposition Products

No data available.

### Conditions to Avoid

Not applicable.

### Materials to Avoid

Acid chlorides, acid anhydrides, oxidizing agents, chloroformates and reducing agents.

## SECTION 11 TOXICOLOGICAL INFORMATION

### Acute Toxicity

Acute oral toxicity (LD50) : 5000 mg/kg  
Species: Wistar Rat; no deaths were observed during the study.  
Observation period: 14 days  
Method: OECD 423

Acute dermal toxicity (LD50) : 2000 mg/kg  
Species: Wistar Rat; no deaths were observed during the study.  
Exposure time: 24 hours



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Observation period: 14 days  
Method: OECD 402

Acute inhalation toxicity (LC50) : 5.03 mg/L  
Species: Wistar Rat; no deaths were observed during the study.  
Exposure time: 24 hours  
Observation period: 14 days  
Method: OECD 403

## Acute Dermal Irritation/Corrosion

Dermal Irritation : Non-irritant  
Species: White Rabbits; no deaths were observed during the study.  
Exposure time: 4 hours  
Observation period: 72 hours  
Method: OECD 404

## Acute Eye Irritation/Corrosion

Eye Irritation : Non-irritant - Reversible within 72 hours  
Species: White Rabbits; no deaths were observed during the study.  
Observation period: 72 hours  
Method: OECD 405

## Skin Sensitizer

: Not a skin sensitizer  
Species: Guinea Pig; no deaths were observed during the study.  
Exposure time: 24 hours  
Observation period: 22 days  
Method: OECD 406

**Carcinogenicity:** Not listed under IARC.

## SECTION 12 ECOLOGICAL INFORMATION

### Toxicity

Non-Toxic

### Persistence/Degradability

Not expected to bio-accumulate significantly

### Bio accumulative Potential

Not expected to bio-accumulate significantly

## SECTION 13 DISPOSAL CONSIDERATIONS

### Local Legislation

Dispose in compliance with local/federal and national regulations. It is recommended to contact the producer for recycling/recovery. Or send the product to an authorized hazardous waste incinerator.

### Container Disposal



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To avoid treatments, as far as possible, use dedicated containers. If not, rinse the empty containers with a low volatility hydrocarbon and treat the effluent in the same way as waste. Containers that cannot be cleaned must be treated as waste.

## SECTION 14 TRANSPORT INFORMATION

### Land (ADR)

UN Number : Not regulated  
UN Class : NA  
Subsidiary Risk : NA  
Packing Group : NA  
Proper Shipping Name : NA  
HIN : NA

### Sea (IMDG)

UN Number : No Regulated  
UN Class : NA  
Subsidiary Risk : NA  
Packing Group : NA  
Proper Shipping Name : NA  
HIN : NA

### Sea (Annex II of MARPOL 73/78 and the IBC Code)

Pollution Category : NA  
Ship Type : NA  
Product Name : NA

### Air (IATA)

UN Number : Not regulated  
UN Class : NA  
Subsidiary Risk : NA  
Packing Group : NA  
Proper Shipping Name : NA

### Special Precautions

Before transportation, make sure the containers are tightly sealed and that there are no liquid or gas leaks.

When transporting containers, be sure that they are tightly fastened. An appropriate buffer material should be placed between them to prevent them from bumping each other and being damaged during transport.

## SECTION 15 REGULATORY INFORMATION

### Applicable national regulations:

#### Standards on Hazard communication for hazardous chemicals and dangerous goods

- SS 586: Part 1: 2014-Transport and storage of dangerous goods
- SS 586: Part 2: 2014-GHS of classification and labelling of chemicals
- SS 586: Part 3: 2008-Preparation of safety data sheet

### MOM: Workplace Safety and Health Act & Workplace Safety and Health (General Provisions) Regulations

- This product is subject to SDS, labelling, PEL and other requirements in the Acts/Regulations.



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**NEA: Environmental Protection and Management Act & Environmental Protection and Management (Hazardous Substances) Regulations**

- This product is not subject to control under this Acts/Regulations.

**SCDF: Fire Safety Act & Fire Safety (Petroleum and Flammable Materials) Regulations**

- This product is not subject to the requirement of this Acts/Regulations.

**SPF: The Arms and Explosive Act, the Arms and Explosives (Explosives) Rules, and the Arms and Explosives (Explosive Precursors) Rules**

- This product is not subject to the requirement of this Acts/Regulations

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## SECTION 16 OTHER INFORMATION

**Department issuing date sheet** : Vance Chemicals Quality Control and Laboratory  
**Original Issue date** : 23 Aug 2024  
**Revision no.** : 00  
**Revision date** : -

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