

Safety Data Sheet



SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

Product Name/Identifier	Air-Conditioner Cleaner (Self Rinsing)(Aerosol)
Product Code	AC1926-ALF
Product Use	Clears dust and eliminates harmful micro-organisms trapped in air-conditioners, without the need for rinsing with water after application.
Company Information	Vance Chemicals Pte Ltd No.24 Gul Lane Singapore 629418 +65 6863 0863 msds@mr-mckenic.com
Emergency Contact	+65 9299 8024

SECTION 2 HAZARDS IDENTIFICATION

GHS CLASSIFICATION

Health		Environmental	Physical	
Eye irritation	Category 2	Not Classified	Flammable Aerosol	Category 2

GHS LABEL:



Hazard Statements:

H319	Causes serious eye irritation
H223	Flammable aerosol

Prevention Precautionary Statements:

P264	Wash face, hands and any exposed skin thoroughly after handling.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P210	Keep away from heat.
P211	Do not spray on an open flame or other ignition source.
P251	Pressurized container: Do not pierce or burn, even after use.

Response Precautionary Statements:

P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313	If eye irritation persists: Get medical advice/attention.

Storage Precautionary Statements:

P410 + P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F.
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Disposal Precautionary Statements:

P501	Dispose of content/containers according to the local/regional/national/international regulation.
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SECTION 3 COMPOSITIONS / INFORMATION ON INGREDIENTS

Chemical Identity	CAS #	EINECS #	Weight %
Quaternary ammonium compounds	68424-95-3	270-331-5	<1
Isopropyl alcohol	67-63-0	200-661-7	>20
Linear alkylbenzene sulfonic acid	68584-22-5	271-528-9	<5
Butane	106-97-8	203-448-7	10-30
Non-hazardous materials	Mixture	-	>70

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

Remove contaminated clothing. Flush exposed area with large amount of water for at least 15 minutes followed by washing with soap. 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.

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

Not determined.

Specific Hazards Arising from the Chemical

Not determined.

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 fire, wear self-contained breathing apparatus. Use water spray to cool fire exposed surfaces and to protect personnel.

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

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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.

Storage Temperature : Ambient
Storage/Transport Pressure : Atmospheric

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Component	ACGIH TLV	ACGIH STEL	OSHA PEL	OSHA STEL
Quaternary ammonium compounds	Not Established	Not Established	Not Established	Not Established
Linear alkylbenzene sulphonic acid	Not Established	Not Established	Not Established	Not Established
Isopropyl alcohol	200ppm	400ppm	400ppm	500ppm
Butane	800ppm	Not Established	1000ppm	Not Established

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

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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

Appearance	Clear
Odour	Jasmine
Odour Threshold	NA
pH	7 - 9
Melting Point/ Freezing Point (°C)	Not determined
Initial boiling point and range (°C)	Not determined
Flash Point (°C) [According to ISO 3679, Closed Cup Testing]	63°C
Evaporation Rate	Not determined
Flammability (solid, gas)	Flammable gas
Vapour Pressure	Not determined
Upper/lower Flammability (Explosive) Limits:	Not determined
Vapour Density	Not determined
Relative Density	0.99 ± 0.03
Solubility in water	Soluble
Partition coefficient (N-Octanol/water)	Not determined
Auto-ignition Temperature (°C)	Not determined
Decomposition Temperature:	Not determined
Viscosity (mPa s)	Not determined

SECTION 10 STABILITY AND REACTIVITY

Reactivity/Incompatible materials

Strong oxidisers

Chemical Stability

Stable at normal temperatures and storage conditions.

Possibility of hazardous reactions

Oxidising agents, mineral acids, halogenated organic compounds

Hazardous decomposition products

Material does not decompose at ambient temperatures

Conditions to avoid

Open flames and high energy ignition sources

Materials to avoid

Strong oxidisers

SECTION 11 TOXICOLOGICAL INFORMATION

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Acute Toxicity Estimates (ATE_{mix})

Acute oral toxicity (LD50): 12771 mg/kg.

Acute dermal toxicity (LD50): 15347 mg/kg.

Inhalation toxicity (LC50): 4357 ppm

Carcinogenicity: Not listed under IARC.

SECTION 12 ECOLOGICAL INFORMATION

Toxicity

No data available

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

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.

Empty Container Warning (where applicable):

Empty containers may retain residue and can be dangerous. DO NOT PRESSURISE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. Do not attempt to refill or clean container since residue is difficult to remove. Empty drums should be completely drained, properly bunged and promptly returned to a drum reconditioner. All containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations.

SECTION 14 TRANSPORT INFORMATION



Land (ADR)

UN number	1950
UN Class	2.1
Subsidiary risk	NA
Packing Group	NA
Proper shipping name	Aerosols, Flammable
HIN	NA



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Sea (IMDG)

UN number	1950
UN Class	2.1
Subsidiary risk	NA
Packing Group	NA
Proper shipping name	Aerosols, Flammable
Marine pollutant	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	1950
UN Class	2.1
Subsidiary risk	NA
Packing Group	NA
Proper shipping name	Aerosols, Flammable

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.

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 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: 4 January 2012

Revision no: 05

Revision date: 13 Aug 2018

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