

# Safety Data Sheet

## according to HPR, Schedule 1

Printing date 03/22/2024

Reviewed on 03/22/2024

### 1 Identification

- **Product identifier** EAEMC40
- **Trade name:** MICRO CINNAMON AEROSOL
  - **Manufacturer article number:** EAEMC40
  - **Application of the substance / the mixture** Air freshener
- **Details of the supplier of the safety data sheet** (912)(552)
  - **Manufacturer/Supplier:**  
Vectair Systems, Inc.  
2095 Spicer Cove  
Covington Way Distribution Centre  
Memphis, TN 38134, USA  
Phone: +1 901 373 7818  
General inquiries: info@vectairsystems.com
  - **Information department:** Product safety department
  - **Emergency telephone number:**  
INFOTRAC +1 800 535 5053  
INTERNATIONAL +1 352 323 3500

### 2 Hazard identification

- **Label elements**
- **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms**



- **Signal word** Danger
- **Hazard-determining components of labeling:**  
cinnamaldehyde  
isoeugenol  
Eugenol  
Fragrance Trade Secret (912)  
Coumarin
- **Hazard statements**  
H222-H229 Extremely flammable aerosol.  
H280            Contains gas under pressure; may explode if heated.  
H319            Causes serious eye irritation.  
H317            May cause an allergic skin reaction.
- **Precautionary statements**  
P101            If medical advice is needed, have product container or label at hand.  
P102            Keep out of reach of children.  
P103            Read label before use.  
P210            Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
  
P211            Do not spray on an open flame or other ignition source.  
P251            Do not pierce or burn, even after use.  
P261            Avoid breathing dust/fume/gas/mist/vapours/spray.  
P264            Wash thoroughly after handling.  
P272            Contaminated work clothing should not be allowed out of the workplace.  
P280            Wear protective gloves/protective clothing/eye protection/face protection.

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- P302+P352 *If on skin: Wash with plenty of water.*
- P305+P351+P338 *IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.*
- P362+P364 *Take off contaminated clothing and wash it before reuse.*
- P333+P313 *If skin irritation or rash occurs: Get medical advice/attention.*
- P321 *Specific treatment (see on this label).*
- P337+P313 *If eye irritation persists: Get medical advice/attention.*
- P410+P403 *Protect from sunlight. Store in a well-ventilated place.*
- P411 *Store at temperatures not exceeding 120°F /48°C.*
- P501 *Dispose of contents/container in accordance with local/regional/national/international regulations.*

- **Classification system:**

- **NFPA ratings (scale 0 - 4)**

Health = 2

Fire = 4

Reactivity = 1

- **HMIS-ratings (scale 0 - 4)**

Health = 2

Fire = 4

Reactivity = 1

### 3 Composition/Information on ingredients

- **Chemical characterization: Mixtures**

- **Description:** Mixture of the substances listed below with nonhazardous additions.

- **Dangerous components:**

67-64-1	acetone	60-80% w/w *
75-28-5	isobutane	10-30% w/w *
74-98-6	propane	5-10% w/w *
106-97-8	butane, pure	1-5% w/w *
104-55-2	cinnamaldehyde	≥1-<1.5% w/w *
97-53-0	Eugenol	≥0.1-<1% w/w *
	Fragrance Trade Secret (912)	≥0.1-<1% w/w *
97-54-1	isoeugenol	≥0.1-<1% w/w *
91-64-5	Coumarin	≥0.1-<1% w/w *

\* Actual concentration ranges are withheld as a trade secret.

### 4 First-aid measures

- **Description of first aid measures**

- **General information:** Immediately remove any clothing soiled by the product.

- **After inhalation:**

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.

- **After eye contact:**

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

- **After swallowing:** If symptoms persist consult doctor.

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- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### 5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**  
CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol-resistant foam.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.

### 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**  
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**  
Dispose contaminated material as waste according to section 13.  
Ensure adequate ventilation.
- **Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

### 7 Handling and storage

- **Handling:**
- **Precautions for safe handling** Ensure good ventilation/exhaustion at the workplace.
- **Information about protection against explosions and fires:**  
Do not spray on a naked flame or any incandescent material.  
Keep ignition sources away - Do not smoke.  
Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**  
Observe official regulations on storing packagings with pressurized containers.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep receptacle tightly sealed.
- **Specific end use(s)** No further relevant information available.

### 8 Exposure controls/ Personal protection

- **Additional information about design of technical systems:** No further data; see section 7.

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· **Control parameters**

· **Components with limit values that require monitoring at the workplace:**

**67-64-1 acetone**

EL	STEL: 500 ppm TWA: 250 ppm
EV	STEL: 750 ppm TWA: 500 ppm

**75-28-5 isobutane**

EL	STEL: 1000 ppm EX
EV	TWA: 800 ppm revoked as of 01/01/18

**74-98-6 propane**

EL	Simple asphyxiant; EX
EV	TWA: 1,000 ppm revoked as of 01/01/18

**106-97-8 butane, pure**

EL	STEL: 1000 ppm EX
EV	TWA: 800 ppm revoked as of 01/01/18

· **Additional information:** The lists that were valid during the creation were used as basis.

· **Exposure controls**

· **Personal protective equipment:**

· **General protective and hygienic measures:**

- Keep away from foodstuffs, beverages and feed.
- Immediately remove all soiled and contaminated clothing.
- Wash hands before breaks and at the end of work.
- Avoid contact with the eyes.
- Avoid contact with the eyes and skin.

· **Breathing equipment:**

- In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.
- Use suitable respiratory protective device in case of insufficient ventilation.

· **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.  
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.  
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

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· **Penetration time of glove material**  
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:**  
Safety glasses



Tightly sealed goggles

### 9 Physical and chemical properties

· **Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

- **Form:** Aerosol
- **Color:** According to product specification
- **Odor:** Characteristic
- **Odor threshold:** Not determined.

· **pH-value:** Not determined.

· **Change in condition**

- **Melting point/Melting range:** Undetermined.
- **Boiling point/Boiling range:** -44.5 °C

· **Flash point:** < 0 °C

· **Flammability (solid, gaseous):** Not applicable.

· **Auto igniting:** 465 °C

· **Decomposition temperature:** Not determined.

· **Ignition temperature:** Product is not selfigniting.

· **Danger of explosion:** Product is not explosive. However, formation of explosive air/vapor mixtures are possible.

· **Explosion limits:**

- **Lower:** 2.6 Vol %
- **Upper:** 13 Vol %

· **Vapor pressure at 20 °C:** 233 hPa

· **Vapor pressure at 50 °C:** 800 hPa

· **Density:** Not determined.

- **Relative density** Not determined.
- **Vapor density** Not determined.
- **Evaporation rate** Not applicable.

· **Solubility in / Miscibility with**

· **Water:** Not miscible or difficult to mix.

· **Partition coefficient (n-octanol/water):** Not determined.

· **Viscosity:**

· **Dynamic:** Not determined.

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· <b>Kinematic:</b>	Not determined.
· <b>Solvent content:</b>	
· <b>Organic solvents:</b>	72.1 %
· <b>Solids content:</b>	1.1 %
· <b>Other information</b>	No further relevant information available.

### 10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
  - **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

### 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**

· <b>LD/LC50 values that are relevant for classification:</b>		
<b>67-64-1 acetone</b>		
Oral	LD50	5,800 mg/kg (rat)
Dermal	LD50	20,000 mg/kg (rabbit)

- **Primary irritant effect:**
  - **on the skin:** No irritant effect.
  - **on the eye:** Irritating effect.
- **Sensitization:** Sensitization possible through skin contact.
- **Additional toxicological information:**  
The product shows the following dangers according to internally approved calculation methods for preparations:  
Irritant

### 12 Ecological information

- **Toxicity**
  - **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behavior in environmental systems:**
  - **Bioaccumulative potential** No further relevant information available.
  - **Mobility in soil** No further relevant information available.
- **Results of PBT and vPvB assessment**
  - **PBT:** Not applicable.
  - **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

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## 13 Disposal considerations

- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

## 14 Transport information

- |   |                     |
|---|---------------------|
| <b>· UN-Number</b>  |                     |
| <b>· DOT/TDG, ADR, IMDG, IATA</b>   | UN1950              |
| <b>· UN proper shipping name</b>  |                     |
| <b>· DOT/TDG</b>  | Aerosols, flammable |
| <b>· ADR</b>  | 1950 Aerosols       |
| <b>· IMDG</b>   | AEROSOLS            |
| <b>· IATA</b>   | AEROSOLS, flammable |
| <b>· Transport hazard class(es)</b>   |                     |
| <b>· DOT/TDG (Transport dangerous goods):</b>                                       |                     |
|    |                     |
| <b>· Class</b>  | 2.1 Gases           |
| <b>· Label</b>  | 2.1                 |
| <b>· ADR</b>  |                     |
|  |                     |
| <b>· Class</b>  | 2.5F Gases          |
| <b>· Label</b>  | 2.1                 |
| <b>· IMDG, IATA</b>   |                     |
|  |                     |
| <b>· Class</b>  | 2.1 Gases           |
| <b>· Label</b>  | 2.1                 |
| <b>· Packing group</b>  |                     |
| <b>· DOT/TDG, ADR, IMDG, IATA</b>   | not regulated       |
| <b>· Environmental hazards:</b>   | Not applicable.     |
| <b>· Special precautions for user</b>   | Warning: Gases      |
| <b>· Hazard identification number (Kemler code):</b>                                | -                   |
| <b>· EMS Number:</b>  | F-D,S-U             |

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· <b>Stowage Code</b>	SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A. For AEROSOLS with a capacity above 1 litre: Category B. For WASTE AEROSOLS: Category C, Clear of living quarters.
· <b>Segregation Code</b>	SG69 For AEROSOLS with a maximum capacity of 1 litre: Segregation as for class 9. Stow "separated from" class 1 except for division 1.4. For AEROSOLS with a capacity above 1 litre: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2.
· <b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	Not applicable.
· <b>Transport/Additional information:</b>	
· <b>DOT/TDG</b>	
· <b>Quantity limitations</b>	On passenger aircraft/rail: 75 kg On cargo aircraft only: 150 kg
· <b>ADR</b>	
· <b>Excepted quantities (EQ)</b>	Code: E0 Not permitted as Excepted Quantity
· <b>IMDG</b>	
· <b>Limited quantities (LQ)</b>	1L
· <b>Excepted quantities (EQ)</b>	Code: E0 Not permitted as Excepted Quantity
· <b>UN "Model Regulation":</b>	UN 1950 AEROSOLS, 2.1

### 15 Regulatory information

· **Safety, health and environmental regulations/legislation specific for the substance or mixture**

No further relevant information available.

· **Canadian substance listings:**

· <b>Canadian Domestic Substances List (DSL)</b>	
67-64-1	acetone
75-28-5	isobutane
74-98-6	propane
106-97-8	butane, pure
104-55-2	cinnamaldehyde
25265-71-8	Dipropylene glycol (isomer unspecified)
97-53-0	Eugenol
97-54-1	isoeugenol
91-64-5	Coumarin
120-51-4	Benzyl benzoate
78-70-6	Linalool
5989-27-5	(R)-p-mentha-1,8-diene
51414-25-6	3-(4-Hydroxy-4-methylpentyl)cyclohex-3-ene-1-carbaldehyde

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80-54-6	<i>p-t-Butyl-alpha-methylhydrocinnamic aldehyde</i>
100-51-6	<i>Benzyl alcohol</i>
· <b>Canadian Non-Domestic Substances List (NDSL)</b>	
None of the ingredients is listed.	
· <b>Canadian Ingredient Disclosure list (limit 0.1%)</b>	
104-55-2	<i>cinnamaldehyde</i>
· <b>Canadian Ingredient Disclosure list (limit 1%)</b>	
67-64-1	<i>acetone</i>
106-97-8	<i>butane, pure</i>

· **Chemical safety assessment:** A Chemical Safety Assessment has been carried out.

### 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Department issuing SDS:** Product Safety Department
- **Contact:**  
Vectair Systems Inc  
+1 901 373 7818 (during normal office hours)
- **Date of the latest revision of the safety data sheet** 03/22/2024 / 6
- **Abbreviations and acronyms:**  
IMDG: International Maritime Code for Dangerous Goods  
DOT: US Department of Transportation  
IATA: International Air Transport Association  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
HMIS: Hazardous Materials Identification System (USA)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative
- **\* Data compared to the previous version altered.**

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