

Safety Data Sheet

acc. to OSHA HCS

Printing date 08/03/2018

Reviewed on 08/03/2018

1 Identification

- **Product identifier**
- **Trade name:** VAZE - CITRUS MANGO
- **Article number:** VAZE CITRUS
- **Application of the substance / the mixture** Air Freshener
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Vectair Systems Inc.
2095 Spicer Cove, Covington Way Distribution Center,
Memphis, TN 38134 United States
info@vectairsystems.com
- **Information department:** +1 901 373 7818 (during normal office hours)
- **Emergency telephone number:** INFOTRAC +1 800 535 5053 (International) +1-352-323-3500

2 Hazard(s) identification

- **Classification of the substance or mixture**



Skin Sens. 1 H317 May cause an allergic skin reaction.

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



GHS07

- **Signal word** *Warning*
- **Hazard-determining components of labeling:**
*citrus limon l. burm. f. peel oil
alpha,alpha-Dimethylphenethyl butyrate
Citral
Linalool
Eucalyptus Oil (Eucalyptus Globulus Labille)
2,4-Dimethyl-3-cyclohexen-1-carboxaldehyde
2-Methyl-3-(p-isopropylphenyl)propionaldehyde
Citrus limon (L.) Burm. F.
dl-Citronellol
Geraniol*
- **Hazard statements**
May cause an allergic skin reaction.
- **Precautionary statements**
*Avoid breathing dust/fume/gas/mist/vapors/spray
Contaminated work clothing must not be allowed out of the workplace.
Wear protective gloves.
If on skin: Wash with plenty of water.*

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If skin irritation or rash occurs: Get medical advice/attention.

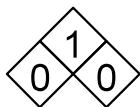
Specific treatment (see on this label).

Wash contaminated clothing before reuse.

Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Classification system:**

· **NFPA ratings (scale 0 - 4)**



Health = 0

Fire = 1

Reactivity = 0

· **HMIS-ratings (scale 0 - 4)**

HEALTH	0
FIRE	1
REACTIVITY	0

Health = 0

Fire = 1

Reactivity = 0

· **Other hazards**

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

3 Composition/information on ingredients

· **Chemical characterization: Mixtures**

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

· **Dangerous components:**

127-91-3	beta-Pinene	≥2.5-<10%
10094-34-5	alpha, alpha-Dimethylphenethyl butyrate	≥1-≤2.5%
8008-57-9	citrus limon l. burm. f. peel oil	≥1-≤2.5%
80-56-8	alpha-Pinene	≥0.1-≤2.5%
5392-40-5	Citral	≥1-≤2.5%
78-70-6	Linalool	≥1-≤2.5%
8000-48-4	Eucalyptus Oil (Eucalyptus Globulus Labille)	≥0.1-<1%
68039-49-6	2,4-Dimethyl-3-cyclohexen-1-carboxaldehyde	≥0.1-<1%
103-95-7	2-Methyl-3-(p-isopropylphenyl)propionaldehyde	≥0.1-<1%
68917-33-9	Citrus limon (L.) Burm. F.	≥0.1-<1%
106-22-9	dl-Citronellol	≥0.1-<1%
106-24-1	Geraniol	≥0.1-<1%
104-55-2	cinnamaldehyde	≥0.1-<1%

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.

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

· **Information for doctor:**

· **Most important symptoms and effects, both acute and delayed** No further relevant information available.

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- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:** Use fire fighting measures that suit the environment.
- **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** Not required.
- **Environmental precautions:** No special measures required.
- **Methods and material for containment and cleaning up:**
Dispose contaminated material as waste according to item 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.
- **Protective Action Criteria for Chemicals**

· **PAC-1:**

24937-78-8	Ethyl vinyl acetate copolymer	30 mg/m ³
112-31-2	decanal	1.8 ppm
140-11-4	benzyl acetate	30 ppm
120-51-4	Benzyl benzoate	5.7 mg/m ³
91-64-5	Coumarin	0.88 mg/m ³
141-97-9	ethyl acetoacetate	12 mg/m ³

· **PAC-2:**

24937-78-8	Ethyl vinyl acetate copolymer	330 mg/m ³
112-31-2	decanal	19 ppm
140-11-4	benzyl acetate	330 ppm
120-51-4	Benzyl benzoate	63 mg/m ³
91-64-5	Coumarin	9.7 mg/m ³
141-97-9	ethyl acetoacetate	130 mg/m ³

· **PAC-3:**

24937-78-8	Ethyl vinyl acetate copolymer	2,000 mg/m ³
112-31-2	decanal	120 ppm
140-11-4	benzyl acetate	2,000 ppm
120-51-4	Benzyl benzoate	380 mg/m ³
91-64-5	Coumarin	58 mg/m ³
141-97-9	ethyl acetoacetate	790 mg/m ³

7 Handling and storage

- **Handling:**
- **Precautions for safe handling** Ensure good ventilation/exhaustion at the workplace.
- **Information about protection against explosions and fires:** No special measures required.

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- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.
- **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 item 7.
- **Control parameters**

Components with limit values that require monitoring at the workplace:	
127-91-3 beta-Pinene	
TLV	Long-term value: 112 mg/m ³ , 20 ppm
	DSEN
80-56-8 alpha-Pinene	
TLV	Long-term value: 112 mg/m ³ , 20 ppm
	DSEN
5392-40-5 Citral	
TLV	Long-term value: 32* mg/m ³ , 5* ppm
	Skin; DSEN; *inhalable fraction + vapor

- **Additional information:** The lists that were valid during the creation were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
- **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.
- **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.
- **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:** Not required.

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9 Physical and chemical properties

· <i>Information on basic physical and chemical properties</i>	
· <i>General Information</i>	
· <i>Appearance:</i>	
Form:	Solid
Color:	Yellow
· <i>Odor:</i>	Characteristic
· <i>Odor threshold:</i>	Not determined.
· <i>pH-value:</i>	Not applicable.
· <i>Change in condition</i>	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	>100 °C (>212 °F)
· <i>Flash point:</i>	>100 °C (>212 °F)
· <i>Flammability (solid, gaseous):</i>	Not determined.
· <i>Decomposition temperature:</i>	Not determined.
· <i>Auto igniting:</i>	Product is not selfigniting.
· <i>Danger of explosion:</i>	Product does not present an explosion hazard.
· <i>Explosion limits:</i>	
Lower:	Not determined.
Upper:	Not determined.
· <i>Vapor pressure at 20 °C (68 °F):</i>	<2 hPa (<1.5 mm Hg)
· <i>Density at 20 °C (68 °F):</i>	>1 g/cm ³ (>8.345 lbs/gal)
· <i>Relative density</i>	Not determined.
· <i>Vapor density</i>	Not applicable.
· <i>Evaporation rate</i>	Not applicable.
· <i>Solubility in / Miscibility with Water:</i>	Insoluble.
· <i>Partition coefficient (n-octanol/water):</i>	Not determined.
· <i>Viscosity:</i>	
Dynamic:	Not applicable.
Kinematic:	Not applicable.
· <i>Solvent content:</i>	
Organic solvents:	0.4 %
VOC content:	0.00 %
	Exempt Fragrance and no other VOCs
· <i>Solids content:</i>	100.0 %
· <i>Other information</i>	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.

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· **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

· **Information on toxicological effects**· **Acute toxicity:**· **LD/LC50 values that are relevant for classification:**

10094-34-5 alpha,alpha-Dimethylphenethyl butyrate

Oral LD50 >5,000 mg/kg (rat)

Dermal LD50 >5,000 mg/kg (rabbit)

8008-57-9 citrus limon l. burm. f. peel oil

Oral LD50 >5,000 mg/kg (rat)

Dermal LD50 >5,000 mg/kg (rabbit)

5392-40-5 Citral

Oral LD50 4,960 mg/kg (rat)

78-70-6 Linalool

Oral LD50 2,790 mg/kg (rat)

Dermal LD50 5,610 mg/kg (rabbit)

8000-48-4 Eucalyptus Oil (Eucalyptus Globulus Labille)

Oral LD50 2,480 mg/kg (rat)

Dermal LD50 2,480 mg/kg (rabbit)

68039-49-6 2,4-Dimethyl-3-cyclohexen-1-carboxaldehyde

Oral LD50 3,900 mg/kg (rat)

Dermal LD50 >5,000 mg/kg (rabbit)

106-22-9 dl-Citronellol

Oral LD50 3,450 mg/kg (rat)

Dermal LD50 2,650 mg/kg (rabbit)

104-55-2 cinnamaldehyde

Oral LD50 2,220 mg/kg (rat)

· **Sensitization:** Sensitization possible through skin contact.· **Additional toxicological information:**

The product shows the following dangers according to internally approved calculation methods for preparations:

Irritant

· **Carcinogenic categories**· **IARC (International Agency for Research on Cancer)**

140-11-4 benzyl acetate

3

128-37-0 Butylated hydroxytoluene

3

97-53-0 Eugenol

3

91-64-5 Coumarin

3

· **NTP (National Toxicology Program)**

None of the ingredients is listed.

· **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

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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.
- **Additional ecological information:**
- **General notes:** Generally not hazardous for water
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**
- **Waste Disposal Recommendations:** Dispose in a safe manner in accordance with local/national regulations.

14 Transport information

- | | |
|---|------------------------|
| · UN-Number | |
| · DOT, ADN, IMDG, IATA | <i>not regulated</i> |
| · UN proper shipping name | |
| · DOT, ADN, IMDG, IATA | <i>not regulated</i> |
| · Transport hazard class(es) | |
| · DOT, ADN, IMDG, IATA | |
| · Class | <i>not regulated</i> |
| · Packing group | |
| · DOT, IMDG, IATA | <i>not regulated</i> |
| · Environmental hazards: | <i>Not applicable.</i> |
| · Special precautions for user | <i>Not applicable.</i> |
| · Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code | <i>Not applicable.</i> |
| · UN "Model Regulation": | <i>not regulated</i> |

15 Regulatory information

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

· Section 355 (extremely hazardous substances):
<i>None of the ingredients is listed.</i>

· Section 313 (Specific toxic chemical listings):
<i>None of the ingredients is listed.</i>

· TSCA (Toxic Substances Control Act):
<i>All ingredients are listed.</i>

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· **Proposition 65**· **Chemicals known to cause cancer:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

· **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

· **Carcinogenic categories**· **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

· **TLV (Threshold Limit Value established by ACGIH)**

127-91-3	beta-Pinene	A4
80-56-8	alpha-Pinene	A4
140-11-4	benzyl acetate	A4
128-37-0	Butylated hydroxytoluene	A4
76-22-2	1,7,7-Trimethylbicyclo[2.2.1]heptan-2-one	A4

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

· **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

· **Hazard pictograms**

GHS07

· **Signal word** Warning· **Hazard-determining components of labeling:**

citrus limon l. burm. f. peel oil
 alpha,alpha-Dimethylphenethyl butyrate
 Citral
 Linalool
 Eucalyptus Oil (Eucalyptus Globulus Labille)
 2,4-Dimethyl-3-cyclohexen-1-carboxaldehyde
 2-Methyl-3-(p-isopropylphenyl)propionaldehyde
 Citrus limon (L.) Burm. F.
 dl-Citronellol
 Geraniol

· **Hazard statements**

May cause an allergic skin reaction.

· **Precautionary statements**

Avoid breathing dust/fume/gas/mist/vapors/spray
 Contaminated work clothing must not be allowed out of the workplace.
 Wear protective gloves.
 If on skin: Wash with plenty of water.
 If skin irritation or rash occurs: Get medical advice/attention.
 Specific treatment (see on this label).
 Wash contaminated clothing before reuse.
 Dispose of contents/container in accordance with local/regional/national/international regulations.

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· **Chemical safety assessment:** A Chemical Safety Assessment has not 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.

· **Date of preparation / last revision** 08/03/2018 / -

· **Abbreviations and acronyms:**

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

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)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Skin Sens. 1: Skin sensitisation – Category 1

US