

Safety Data Sheet
acc. to OSHA HCS

Printing date 08/23/2017

Reviewed on 08/23/2017

1 Identification

- **Product identifier**
- **Trade name:** VECTAIR V-AIR SOLID - APPLE ORCHARD
- **Article number:** V-SOLID APPLE-X
- **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**



- **Signal word** Warning
- **Hazard-determining components of labeling:**
Eucalyptus Oil (Eucalyptus Globulus Labille)
Butanoic acid, 1,1-dimethyl-2-phenylethyl ester
Eugenol
Benzyl salicylate
2-(4-tert-Butylbenzyl)propionaldehyde
(E)-anethole
4-(4-hydroxy-4-methylpentyl)cyclohex-3-ene-1-carbaldehyde
2,4,6-trimethylcyclohex-3-ene-1-carbaldehyde
Hexyl cinnamal
- **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.

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Wear protective gloves.

IF ON SKIN: Wash with plenty of water.

Specific treatment (see on this label).

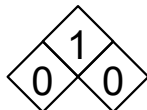
If skin irritation or rash occurs: Get medical advice/attention.

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:**

88917-22-0	dipropylene glycol methyl ether acetate	≥0.1-≤2.5%
112-27-6	Triethylene Glycol	≥0.1-≤2.5%
8000-48-4	Eucalyptus Oil (Eucalyptus Globulus Labille)	≥0.1-≤1%
10094-34-5	Butanoic acid, 1,1-dimethyl-2-phenylethyl ester	≥0.1-≤1%
97-53-0	Eugenol	≥0.1-≤1%
118-58-1	Benzyl salicylate	≥0.1-≤1%
80-54-6	2-(4-tert-Butylbenzyl)propionaldehyde	≥0.1-≤1%
4180-23-8	(E)-anethole	≥0.1-≤1%
31906-04-4	4-(4-hydroxy-4-methylpentyl)cyclohex-3-ene-1-carbaldehyde	≥0.1-≤1%
1335-66-6	2,4,6-trimethylcyclohex-3-ene-1-carbaldehyde	≥0.1-≤1%
101-86-0	Hexyl cinnamal	≥0.1-≤1%

4 First-aid measures

· **Description of first aid measures**

· **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.

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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:** 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:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:** Pick up mechanically.
- **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:**

9036-19-5	Polyethylene glycol octylphenyl ether	13 mg/m ³
112-27-6	Triethylene Glycol	130 mg/m ³
84-66-2	diethyl phthalate	15 mg/m ³
102-76-1	Enzactin	19 mg/m ³
65-85-0	Benzoic acid	13 mg/m ³
140-11-4	Benteine	30 ppm
120-51-4	Benzyl benzoate	5.7 mg/m ³

· **PAC-2:**

9036-19-5	Polyethylene glycol octylphenyl ether	140 mg/m ³
112-27-6	Triethylene Glycol	1,400 mg/m ³
84-66-2	diethyl phthalate	300 mg/m ³
102-76-1	Enzactin	210 mg/m ³
65-85-0	Benzoic acid	140 mg/m ³
140-11-4	Benteine	330 ppm
120-51-4	Benzyl benzoate	63 mg/m ³

· **PAC-3:**

9036-19-5	Polyethylene glycol octylphenyl ether	830 mg/m ³
112-27-6	Triethylene Glycol	4,400 mg/m ³
84-66-2	diethyl phthalate	1,800 mg/m ³
102-76-1	Enzactin	1,200 mg/m ³
65-85-0	Benzoic acid	830 mg/m ³
140-11-4	Benteine	2,000 ppm

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120-51-4 Benzyl benzoate

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380 mg/m³

7 Handling and storage

- **Handling:**
- **Precautions for safe handling** No special precautions are necessary if used correctly.
- **Information about protection against explosions and fires:** No special measures required.
- **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:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **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:** Not required.
- **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

· Information on basic physical and chemical properties	
· General Information	
· Appearance:	
· Form:	Semi-Solid
· Color:	Whitish
· Odor:	Fruit-like
· Odor threshold:	Not determined.
· pH-value: Not applicable.	
· Change in condition	
· Melting point/Melting range:	unknown °C Undetermined.
· Boiling point/Boiling range:	>100°C (>212 °F) Undetermined.
· Flash point: >100°C (>212 °F) Not applicable.	
· Flammability (solid, gaseous): Not determined.	
· Ignition temperature:	
· Decomposition temperature: Not determined.	
· Auto igniting: Product is not selfigniting.	
· Danger of explosion: Product does not present an explosion hazard.	
· Explosion limits:	
· Lower:	Not determined.
· Upper:	Not determined.
· Vapor pressure at 20°C (68 °F): <2hPa (<1.5 mm Hg) Not applicable.	
· Density at 20°C (68 °F): >1g/cm ³ (>8.345 lbs/gal) Not determined.	
· Relative density Not determined.	
· Vapor density Not applicable.	
· Evaporation rate Not applicable.	
· Solubility in / Miscibility with Water: Insoluble.	
· Partition coefficient (n-octanol/water): Not determined.	
· Viscosity:	
· Dynamic:	Not applicable.
· Kinematic:	Not applicable.
· Solvent content:	
· Organic solvents:	5.7%
· Water:	18.6%
· VOC content:	0.00%
Exempt Fragrance and no other VOCs	
· Solids content: 61.1%	

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· **Other information**

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:**

· **LD/LC50 values that are relevant for classification:**

112-27-6 Triethylene Glycol		
Oral	LD50	17,000 mg/kg (rat)
8000-48-4 Eucalyptus Oil (Eucalyptus Globulus Labille)		
Oral	LD50	2,480 mg/kg (rat)
Dermal	LD50	2,480 mg/kg (rabbit)
10094-34-5 Butanoic acid, 1,1-dimethyl-2-phenylethyl ester		
Oral	LD50	>5,000 mg/kg (rat)
Dermal	LD50	>5,000 mg/kg (rabbit)
97-53-0 Eugenol		
Oral	LD50	1,930 mg/kg (rat)
4180-23-8 (E)-anethole		
Oral	LD50	2,090 mg/kg (rat)
Dermal	LD50	>5,000 mg/kg (rabbit)
31906-04-4 4-(4-hydroxy-4-methylpentyl)cyclohex-3-ene-1-carbaldehyde		
Oral	LD50	3,250 mg/kg (rat)
Dermal	LD50	11,300 mg/kg (rabbit)
1335-66-6 2,4,6-trimethylcyclohex-3-ene-1-carbaldehyde		
Oral	LD50	4,500 mg/kg (rat)
Dermal	LD50	4,500 mg/kg (rabbit)
101-86-0 Hexyl cinnamal		
Oral	LD50	2,300 mg/kg (mouse)
		3,100 mg/kg (rat)

· **Primary irritant effect:**

· **on the skin:** No irritant effect.

· **on the eye:** No 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:

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Irritant

· **Carcinogenic categories**

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

97-53-0	Eugenol	3
128-37-0	2,6-di-tert-butyl-p-cresol	3
140-11-4	Benteine	3

· **NTP (National Toxicology Program)**

None of the ingredients is listed.

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

None of the ingredients is listed.

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:**

Water hazard class 2 (Self-assessment): hazardous for water

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

· **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**

· **Recommendation:**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

· **Uncleaned packagings:**

· **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

· **UN-Number**

· **DOT, ADN, IMDG, IATA** not regulated

· **UN proper shipping name**

· **DOT, ADN, IMDG, IATA** not regulated

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

15 Regulatory information

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

· Section 355 (extremely hazardous substances):

None of the ingredients is listed.

· Section 313 (Specific toxic chemical listings):

103-60-6 Phenirat

· TSCA (Toxic Substances Control Act):

All ingredients are listed.

· 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)

84-66-2 diethyl phthalate

D

65-85-0 Benzoic acid

D

· TLV (Threshold Limit Value established by ACGIH)

84-66-2 diethyl phthalate

A4

76-22-2 bornan-2-one

A4

128-37-0 2,6-di-tert-butyl-p-cresol

A4

140-11-4 Benteine

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).

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· **Hazard pictograms**



GHS07

· **Signal word** *Warning*

· **Hazard-determining components of labeling:**

Eucalyptus Oil (Eucalyptus Globulus Labille)
Butanoic acid, 1,1-dimethyl-2-phenylethyl ester
Eugenol
Benzyl salicylate
2-(4-tert-Butylbenzyl)propionaldehyde
(E)-anethole
4-(4-hydroxy-4-methylpentyl)cyclohex-3-ene-1-carbaldehyde
2,4,6-trimethylcyclohex-3-ene-1-carbaldehyde
Hexyl cinnamal

· **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.
Specific treatment (see on this label).
If skin irritation or rash occurs: Get medical advice/attention.
Wash contaminated clothing before reuse.
Dispose of contents/container in accordance with local/regional/national/international regulations.

· **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** 08/23/2017 / -

· **Abbreviations and acronyms:**

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
DOT: US Department of Transportation
IATA: International Air Transport Association
ACGIH: American Conference of Governmental Industrial Hygienists
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)
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
VOC: Volatile Organic Compounds (USA, EU)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
NIOSH: National Institute for Occupational Safety
OSHA: Occupational Safety & Health
TLV: Threshold Limit Value

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PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit
Skin Sens. 1: Skin sensitisation – Category 1

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