

**Safety Data Sheet**  
acc. to OSHA HCS

Printing date 03/02/2018

Reviewed on 03/02/2018

**1 Identification**· **Product identifier**· **Trade name:** VECTAIR VIBE - OCEAN SPRAY FRAGRANCE· **Article number:** VA-18-042-PIE-VAUS· **Application of the substance / the mixture** Air Freshener· **Details of the supplier of the safety data sheet**· **Manufacturer/Supplier:**

Vectair Systems Inc.

PO Box 11068

Memphis, TN 38134 United States

info@vectairsystems.com

· **Information department:** Product safety department.· **Emergency telephone number:** During normal business hours: +1-877-697-7276**2 Hazard(s) identification**· **Classification of the substance or mixture**

GHS07

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2A H319 Causes serious eye irritation.

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

STOT SE 3 H335 May cause respiratory irritation.

Flam. Liq. 4 H227 Combustible liquid.

· **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:**

ethyl acetoacetate

Linalool

gamma-Methylionone

Hexyl cinnamal

Benzyl salicylate

· **Hazard statements**

Combustible liquid.

Causes skin irritation.

Causes serious eye irritation.

May cause an allergic skin reaction.

May cause respiratory irritation.

(Contd. on page 2)

US

# Safety Data Sheet

acc. to OSHA HCS

Printing date 03/02/2018

Reviewed on 03/02/2018

Trade name: VECTAIR VIBE - OCEAN SPRAY FRAGRANCE

(Contd. of page 1)

## Precautionary statements

Keep away from flames and hot surfaces. – No smoking.  
 Avoid breathing dust/fume/gas/mist/vapors/spray  
 Wash thoroughly after handling.  
 Use only outdoors or in a well-ventilated area.  
 Contaminated work clothing must not be allowed out of the workplace.  
 Wear protective gloves/protective clothing/eye protection/face protection.  
 If on skin: Wash with plenty of water.  
 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.  
 Continue rinsing.  
 Call a poison center/doctor if you feel unwell.  
 Specific treatment (see on this label).  
 Take off contaminated clothing and wash it before reuse.  
 If skin irritation or rash occurs: Get medical advice/attention.  
 If eye irritation persists: Get medical advice/attention.  
 Wash contaminated clothing before reuse.  
 In case of fire: Use for extinction: CO<sub>2</sub>, powder or water spray.  
 Store in a well-ventilated place. Keep container tightly closed.  
 Store in a well-ventilated place. Keep cool.  
 Store locked up.  
 Dispose of contents/container in accordance with local/regional/national/international regulations.

## Classification system:

### NFPA ratings (scale 0 - 4)

2	2	0
Health = 2	Fire = 2	Reactivity = 0

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

HEALTH	2	Health = 2
FIRE	2	Fire = 2
REACTIVITY	0	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:

141-97-9	ethyl acetoacetate	10-50%
57-55-6	Propylene glycol	10-50%
140-11-4	Benteine	≥2.5-<10%
78-70-6	Linalool	≥0.1-<1%
127-51-5	gamma-Methylionone	≥0.1-<1%
101-86-0	Hexyl cinnamal	≥0.1-<1%
118-58-1	Benzyl salicylate	≥0.1-<1%

US

(Contd. on page 3)

# Safety Data Sheet

acc. to OSHA HCS

Printing date 03/02/2018

Reviewed on 03/02/2018

Trade name: VECTAIR VIBE - OCEAN SPRAY FRAGRANCE

(Contd. of page 2)

## 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. If symptoms persist, consult a doctor.
- **After swallowing:** If symptoms persist consult doctor.
- **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:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
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:

141-97-9	ethyl acetoacetate	12 mg/m <sup>3</sup>
57-55-6	Propylene glycol	30 mg/m <sup>3</sup>
140-11-4	Benteine	30 ppm
120-51-4	Benzyl benzoate	5.7 mg/m <sup>3</sup>
93-89-0	ethyl benzoate	6.3 mg/m <sup>3</sup>
123-11-5	anisaldehyde	21 mg/m <sup>3</sup>
91-64-5	Coumarin	0.88 mg/m <sup>3</sup>

### · PAC-2:

141-97-9	ethyl acetoacetate	130 mg/m <sup>3</sup>
57-55-6	Propylene glycol	1,300 mg/m <sup>3</sup>
140-11-4	Benteine	330 ppm
120-51-4	Benzyl benzoate	63 mg/m <sup>3</sup>
93-89-0	ethyl benzoate	69 mg/m <sup>3</sup>
123-11-5	anisaldehyde	230 mg/m <sup>3</sup>

(Contd. on page 4)

# Safety Data Sheet

acc. to OSHA HCS

Printing date 03/02/2018

Reviewed on 03/02/2018

Trade name: VECTAIR VIBE - OCEAN SPRAY FRAGRANCE

(Contd. of page 3)

91-64-5	Coumarin	9.7 mg/m <sup>3</sup>
<b>· PAC-3:</b>		
141-97-9	ethyl acetoacetate	790 mg/m <sup>3</sup>
57-55-6	Propylene glycol	7,900 mg/m <sup>3</sup>
140-11-4	Benteine	2,000 ppm
120-51-4	Benzyl benzoate	380 mg/m <sup>3</sup>
93-89-0	ethyl benzoate	420 mg/m <sup>3</sup>
123-11-5	anisaldehyde	300 mg/m <sup>3</sup>
91-64-5	Coumarin	58 mg/m <sup>3</sup>

## 7 Handling and storage

- **Handling:**
- **Precautions for safe handling** No special precautions are necessary if used correctly.
- **Information about protection against explosions and fires:** Keep ignition sources away - Do not smoke.
- **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:** 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 item 7.
- **Control parameters**
- **Components with limit values that require monitoring at the workplace:**  
The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.  
At this time, the other constituents have no known exposure limits.

<b>57-55-6 Propylene glycol</b>	
WEEL	Long-term value: 10 mg/m <sup>3</sup>
<b>140-11-4 Benteine</b>	
TLV	Long-term value: 61 mg/m <sup>3</sup> , 10 ppm

- **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 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.
- **Protection of hands:**



Protective gloves

(Contd. on page 5)

US

# Safety Data Sheet

acc. to OSHA HCS

Printing date 03/02/2018

Reviewed on 03/02/2018

Trade name: VECTAIR VIBE - OCEAN SPRAY FRAGRANCE

(Contd. of page 4)

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:**



Tightly sealed goggles

## 9 Physical and chemical properties

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

· **General Information**

· **Appearance:**

Form:	Liquid
Color:	Colorless - Yellow
Odor:	Marine
Odor threshold:	Not determined.

· **pH-value:** Not determined.

· **Change in condition**

Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	100 °C (212 °F)

· **Flash point:** 70 °C (158 °F)

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

· **Ignition temperature:** 350 °C (662 °F)

· **Decomposition temperature:** Not determined.

· **Auto igniting:** Product is not selfigniting.

· **Danger of explosion:** Not determined.

· **Explosion limits:**

Lower:	1 Vol %
Upper:	10.4 Vol %

· **Vapor pressure at 20 °C (68 °F):** <2 hPa (<1.5 mm Hg)

· **Density at 20 °C (68 °F):** 1.014 g/cm<sup>3</sup> (8.46183 lbs/gal)

· **Relative density** Not determined.

· **Vapor density** Not determined.

· **Evaporation rate** Not determined.

· **Solubility in / Miscibility with**

Water: Not miscible or difficult to mix.

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

(Contd. on page 6)

# Safety Data Sheet

acc. to OSHA HCS

Printing date 03/02/2018

Reviewed on 03/02/2018

Trade name: VECTAIR VIBE - OCEAN SPRAY FRAGRANCE

(Contd. of page 5)

· <b>Viscosity:</b>	
<b>Dynamic:</b>	Not determined.
<b>Kinematic:</b>	Not determined.
· <b>Solvent content:</b>	
<b>Organic solvents:</b>	10.9 %
<b>VOC content:</b>	0.18 %
· <b>Solids content:</b>	
<b>Solids content:</b>	1.8 %
· <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:**

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

### 141-97-9 ethyl acetoacetate

Oral	LD50	3,980 mg/kg (rat)
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### 57-55-6 Propylene glycol

Oral	LD50	30,000 mg/kg (rat)
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Dermal	LD50	20,800 mg/kg (rabbit)
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### 140-11-4 Benteine

Oral	LD50	2,490 mg/kg (rat)
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Dermal	LD50	>5,000 mg/kg (rabbit)
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### 78-70-6 Linalool

Oral	LD50	2,790 mg/kg (rat)
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Dermal	LD50	5,610 mg/kg (rabbit)
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### 127-51-5 gamma-Methylionone

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

Dermal	LD50	>5,000 mg/kg (rabbit)
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### 101-86-0 Hexyl cinnamal

Oral	LD50	2,300 mg/kg (mouse)
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		3,100 mg/kg (rat)
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- **Primary irritant effect:**
- **on the skin:** Irritant to skin and mucous membranes.
- **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

(Contd. on page 7)

# Safety Data Sheet

## acc. to OSHA HCS

Printing date 03/02/2018

Reviewed on 03/02/2018

Trade name: VECTAIR VIBE - OCEAN SPRAY FRAGRANCE

(Contd. of page 6)

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

140-11-4	Benteine	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.

## 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 1 (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

· **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, IMDG, IATA** not regulated· **UN proper shipping name**· **DOT, IMDG, IATA** not regulated· **Transport hazard class(es)**· **DOT, IMDG, IATA**· **Class** not regulated· **Packing group**· **DOT, IMDG, IATA** not regulated· **Environmental hazards:**

Not applicable.

(Contd. on page 8)



# Safety Data Sheet

acc. to OSHA HCS

Printing date 03/02/2018

Reviewed on 03/02/2018

Trade name: VECTAIR VIBE - OCEAN SPRAY FRAGRANCE

(Contd. of page 7)

- |  |                 |
|--|-----------------|
| · <b>Special precautions for user</b>  | Not applicable. |
| · <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b> | Not applicable. |
| · <b>UN "Model Regulation":</b>  | 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):**

None of the ingredients is listed.

- **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)**

None of the ingredients is listed.

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

140-11-4 Bentine

A4

76-22-2 bornan-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:**

ethyl acetoacetate

Linalool

gamma-Methylionone

Hexyl cinnamal

Benzyl salicylate

(Contd. on page 9)



# Safety Data Sheet

acc. to OSHA HCS

Printing date 03/02/2018

Reviewed on 03/02/2018

**Trade name: VECTAIR VIBE - OCEAN SPRAY FRAGRANCE**

(Contd. of page 8)

**· Hazard statements**

Combustible liquid.  
 Causes skin irritation.  
 Causes serious eye irritation.  
 May cause an allergic skin reaction.  
 May cause respiratory irritation.

**· Precautionary statements**

Keep away from flames and hot surfaces. – No smoking.  
 Avoid breathing dust/fume/gas/mist/vapors/spray  
 Wash thoroughly after handling.  
 Use only outdoors or in a well-ventilated area.  
 Contaminated work clothing must not be allowed out of the workplace.  
 Wear protective gloves/protective clothing/eye protection/face protection.  
 If on skin: Wash with plenty of water.  
 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.  
 Continue rinsing.  
 Call a poison center/doctor if you feel unwell.  
 Specific treatment (see on this label).  
 Take off contaminated clothing and wash it before reuse.  
 If skin irritation or rash occurs: Get medical advice/attention.  
 If eye irritation persists: Get medical advice/attention.  
 Wash contaminated clothing before reuse.  
 In case of fire: Use for extinction: CO<sub>2</sub>, powder or water spray.  
 Store in a well-ventilated place. Keep container tightly closed.  
 Store in a well-ventilated place. Keep cool.  
 Store locked up.  
 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** 03/02/2018 / -

**· 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  
 PEL: Permissible Exposure Limit  
 REL: Recommended Exposure Limit  
 Flam. Liq. 4: Flammable liquids – Category 4  
 Skin Irrit. 2: Skin corrosion/irritation – Category 2  
 Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A  
 Skin Sens. 1: Skin sensitisation – Category 1  
 STOT SE 3: Specific target organ toxicity (single exposure) – Category 3