

Safety Data Sheet
acc. to OSHA HCS

Printing date 08/11/2018

Reviewed on 08/11/2018

1 Identification· **Product identifier**· **Trade name:** V-AIR SOLID - SEASALT & BAMBOO· **Article number:** V-SOLID SEASAL-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 Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2A H319 Causes serious eye irritation.

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:**

1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone

alpha-Hexylcinnamaldehyde

p-t-Butyl-alpha-methylhydrocinnamic aldehyde

Linalool

dl-Citronellol

citrus limon l. burm. f. peel oil

4-(4-hydroxy-4-methylpentyl)cyclohex-3-ene-1-carbaldehyde

2-Methyl-3-(p-isopropylphenyl)propionaldehyde

Benzyl salicylate

Eugenol

· **Hazard statements**

Causes skin irritation.

Causes serious eye irritation.

May cause an allergic skin reaction.

(Contd. on page 2)

US

Safety Data Sheet

acc. to OSHA HCS

Printing date 08/11/2018

Reviewed on 08/11/2018

Trade name: V-AIR SOLID - SEASALT & BAMBOO

(Contd. of page 1)

Precautionary statements

Avoid breathing dust/fume/gas/mist/vapors/spray

Wash thoroughly after handling.

Contaminated work clothing must not be allowed out of the workplace.

Wear protective gloves / eye protection / face protection.

If on skin: Wash with plenty of water.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

Take off contaminated clothing and wash it before reuse.

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

Specific treatment (see on this label).

If eye irritation persists: 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 = 2

Fire = 1

Reactivity = 0

HMIS-ratings (scale 0 - 4)

HEALTH	2
FIRE	1
REACTIVITY	0

Health = 2

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 monomethyl ether acetate	≥2.5-<10%
54464-57-2	1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone	≥1-≤2.5%
141-97-9	ethyl acetoacetate	≥0.1-≤2.5%
101-86-0	alpha-Hexylcinnamaldehyde	≥1-≤2.5%
105-95-3	Ethylene brassylate	≥0.1-≤2.5%
6259-76-3	Hexyl salicylate	≥0.1-≤2.5%
80-54-6	p-t-Butyl-alpha-methylhydrocinnamic aldehyde	≥1-≤2.5%
78-70-6	Linalool	≥0.1-<1%
106-22-9	dl-Citronellol	≥0.1-<1%
8008-57-9	citrus limon l. burm. f. peel oil	≥0.1-<1%
31906-04-4	4-(4-hydroxy-4-methylpentyl)cyclohex-3-ene-1-carbaldehyde	≥0.1-<1%
103-95-7	2-Methyl-3-(p-isopropylphenyl)propionaldehyde	≥0.1-<1%
118-58-1	Benzyl salicylate	≥0.1-<1%
97-53-0	Eugenol	≥0.1-<1%
18127-01-0	p-tert-Butyldihydrocinnamaldehyde	≥0.1-<1%
127-51-5	alpha-iso-Methylionone	≥0.1-<1%

(Contd. on page 3)

Safety Data Sheet

acc. to OSHA HCS

Printing date 08/11/2018

Reviewed on 08/11/2018

Trade name: V-AIR SOLID - SEASALT & BAMBOO

68917-33-9 Citrus limon (L.) Burm. F.

(Contd. of page 2)

≥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. 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:** 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:**
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:

9036-19-5	poly(oxyethylene) octylphenyl ether	13 mg/m ³
141-97-9	ethyl acetoacetate	12 mg/m ³
102-76-1	(tri-)Acetin	19 mg/m ³
120-51-4	Benzyl benzoate	5.7 mg/m ³
140-11-4	benzyl acetate	30 ppm
112-31-2	decanal	1.8 ppm

PAC-2:

9036-19-5	poly(oxyethylene) octylphenyl ether	140 mg/m ³
141-97-9	ethyl acetoacetate	130 mg/m ³
102-76-1	(tri-)Acetin	210 mg/m ³
120-51-4	Benzyl benzoate	63 mg/m ³
140-11-4	benzyl acetate	330 ppm

(Contd. on page 4)

Safety Data Sheet

acc. to OSHA HCS

Printing date 08/11/2018

Reviewed on 08/11/2018

Trade name: V-AIR SOLID - SEASALT & BAMBOO

(Contd. of page 3)

112-31-2	decanal	19 ppm
· PAC-3:		
9036-19-5	poly(oxyethylene) octylphenyl ether	830 mg/m ³
141-97-9	ethyl acetoacetate	790 mg/m ³
102-76-1	(tri-)Acetin	1,200 mg/m ³
120-51-4	Benzyl benzoate	380 mg/m ³
140-11-4	benzyl acetate	2,000 ppm
112-31-2	decanal	120 ppm

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.
- **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 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:**
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

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

(Contd. on page 5)

Safety Data Sheet

acc. to OSHA HCS

Printing date 08/11/2018

Reviewed on 08/11/2018

Trade name: V-AIR SOLID - SEASALT & BAMBOO

(Contd. of page 4)

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:	Semi-Solid
Color:	Light green
Odor:	Characteristic
Odor threshold:	Not determined.

- **pH-value:** Not applicable.

- **Change in condition**

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

- **Flash point:** >100 °C (>212 °F)

- **Flammability (solid, gaseous):** Not determined.

- **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):** <2 hPa (<1.5 mm Hg)

- **Density at 20 °C (68 °F):** >1 g/cm³ (>8.345 lbs/gal)

- **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:	20.6 %
VOC content:	0.00 %
	Exempt Fragrance and no other VOCs

Solids content: 100.0 %

(Contd. on page 6)

Safety Data Sheet

acc. to OSHA HCS

Printing date 08/11/2018

Reviewed on 08/11/2018

Trade name: V-AIR SOLID - SEASALT & BAMBOO

(Contd. of page 5)

· **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:**

54464-57-2 1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone

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

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

141-97-9 ethyl acetoacetate

Oral LD50 3,980 mg/kg (rat)

101-86-0 alpha-Hexylcinnamaldehyde

Oral LD50 2,300 mg/kg (mouse)

3,100 mg/kg (rat)

105-95-3 Ethylene brassylate

Oral LD50 5,000 mg/kg (rat)

78-70-6 Linalool

Oral LD50 2,790 mg/kg (rat)

Dermal LD50 5,610 mg/kg (rabbit)

106-22-9 dl-Citronellol

Oral LD50 3,450 mg/kg (rat)

Dermal LD50 2,650 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)

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)

97-53-0 Eugenol

Oral LD50 1,930 mg/kg (rat)

18127-01-0 p-tert-Butyldihydrocinnamaldehyde

Oral LD50 2,700 mg/kg (rat)

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

127-51-5 alpha-iso-Methylionone

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

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

(Contd. on page 7)

Safety Data Sheet

acc. to OSHA HCS

Printing date 08/11/2018

Reviewed on 08/11/2018

Trade name: V-AIR SOLID - SEASALT & BAMBOO

(Contd. of page 6)

- **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
- **Carcinogenic categories**

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

128-37-0	Butylated hydroxytoluene	3
97-53-0	Eugenol	3
140-11-4	benzyl acetate	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**
- **Waste Disposal Recommendations:** Dispose in a safe manner in accordance with local/national regulations.
- **Additional Information:**
Empty container and removable plastic components should be recycled or placed in waste in accordance with local regulation.
- **Ecology – waste materials:** Avoid release to the environment, waste can be hazardous due to toxicity.

14 Transport information

- | | |
|----------------------------------|---------------|
| · UN-Number | |
| · DOT, IMDG, IATA | not regulated |
| · UN proper shipping name | |
| · DOT, IMDG, IATA | not regulated |

(Contd. on page 8)

Safety Data Sheet

acc. to OSHA HCS

Printing date 08/11/2018

Reviewed on 08/11/2018

Trade name: V-AIR SOLID - SEASALT & BAMBOO

(Contd. of page 7)

- | | |
|--|-----------------|
| · Transport hazard class(es) | |
| · DOT, 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 MARPOL73/78 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):

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)

128-37-0	Butylated hydroxytoluene	A4
140-11-4	benzyl acetate	A4
80-56-8	alpha-Pinene	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).

(Contd. on page 9)

Safety Data Sheet

acc. to OSHA HCS

Printing date 08/11/2018

Reviewed on 08/11/2018

Trade name: V-AIR SOLID - SEASALT & BAMBOO

(Contd. of page 8)

- **Hazard pictograms**



GHS07

- **Signal word** Warning

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

1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone

alpha-Hexylcinnamaldehyde

p-t-Butyl-alpha-methylhydrocinnamic aldehyde

Linalool

dl-Citronellol

citrus limon l. burm. f. peel oil

4-(4-hydroxy-4-methylpentyl)cyclohex-3-ene-1-carbaldehyde

2-Methyl-3-(p-isopropylphenyl)propionaldehyde

Benzyl salicylate

Eugenol

- **Hazard statements**

Causes skin irritation.

Causes serious eye irritation.

May cause an allergic skin reaction.

- **Precautionary statements**

Avoid breathing dust/fume/gas/mist/vapors/spray

Wash thoroughly after handling.

Contaminated work clothing must not be allowed out of the workplace.

Wear protective gloves / eye protection / face protection.

If on skin: Wash with plenty of water.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

Take off contaminated clothing and wash it before reuse.

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

Specific treatment (see on this label).

If eye irritation persists: 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** 08/11/2018 / -

- **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

(Contd. on page 10)

Safety Data Sheet
acc. to OSHA HCS

Printing date 08/11/2018

Reviewed on 08/11/2018

Trade name: V-AIR SOLID - SEASALT & BAMBOO

(Contd. of page 9)

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
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

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