

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

Printing date 08/25/2017

Reviewed on 08/25/2017

**1 Identification**

- **Product identifier**
- **Trade name: V-AIR SOLID - COOL MINT**
- **Article number: V-SOLID MINT-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**



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**



- **Signal word** Warning
- **Hazard-determining components of labeling:**  
(E)-anethole  
Eucalyptus Oil (Eucalyptus Globulus Labille)  
Trade Secret (Fragrance)  
Benzyl salicylate  
Coumarin  
Hexyl cinnamal
- **Hazard statements**  
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.

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*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.*

*Specific treatment (see on this label).*

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

*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 = 1

Fire = 1

Reactivity = 0

· **HMIS-ratings (scale 0 - 4)**

|            |   |
|------------|---|
| HEALTH     | 1 |
| FIRE       | 1 |
| REACTIVITY | 0 |

Health = 1

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:**

|            |  |            |
|------------|--|------------|
| 119-36-8   | methyl salicylate                            | 2.5-10%    |
| 88917-22-0 | dipropylene glycol methyl ether acetate      | ≥0.1-≤2.5% |
| 89-78-1    | menthol                                      | ≥0.1-≤2.5% |
| 112-27-6   | Triethylene Glycol                           | ≥0.1-≤2.5% |
| 4180-23-8  | (E)-anethole                                 | ≥1-≤2.5%   |
| 8000-48-4  | Eucalyptus Oil (Eucalyptus Globulus Labille) | ≥0.1-≤1%   |
| 118-58-1   | Benzyl salicylate                            | ≥0.1-≤1%   |
| 91-64-5    | Coumarin                                     | ≥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. If symptoms persist, consult a doctor.*

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- **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:** *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:**

|           |                                       |                        |
|-----------|---------------------------------------|------------------------|
| 119-36-8  | methyl salicylate                     | 2.3 ppm                |
| 9036-19-5 | Polyethylene glycol octylphenyl ether | 13 mg/m <sup>3</sup>   |
| 102-76-1  | Enzactin                              | 19 mg/m <sup>3</sup>   |
| 112-27-6  | Triethylene Glycol                    | 130 mg/m <sup>3</sup>  |
| 101-84-8  | diphenyl ether                        | 2 ppm                  |
| 91-64-5   | Coumarin                              | 0.88 mg/m <sup>3</sup> |
| 123-11-5  | anisaldehyde                          | 21 mg/m <sup>3</sup>   |
| 65-85-0   | Benzoic acid                          | 13 mg/m <sup>3</sup>   |
| 57-55-6   | Propylene glycol                      | 30 mg/m <sup>3</sup>   |

· **PAC-2:**

|           |                                       |                         |
|-----------|---------------------------------------|-------------------------|
| 119-36-8  | methyl salicylate                     | 25 ppm                  |
| 9036-19-5 | Polyethylene glycol octylphenyl ether | 140 mg/m <sup>3</sup>   |
| 102-76-1  | Enzactin                              | 210 mg/m <sup>3</sup>   |
| 112-27-6  | Triethylene Glycol                    | 1,400 mg/m <sup>3</sup> |
| 101-84-8  | diphenyl ether                        | 16 ppm                  |
| 91-64-5   | Coumarin                              | 9.7 mg/m <sup>3</sup>   |
| 123-11-5  | anisaldehyde                          | 230 mg/m <sup>3</sup>   |
| 65-85-0   | Benzoic acid                          | 140 mg/m <sup>3</sup>   |
| 57-55-6   | Propylene glycol                      | 1,300 mg/m <sup>3</sup> |

· **PAC-3:**

|          |                   |         |
|----------|-------------------|---------|
| 119-36-8 | methyl salicylate | 150 ppm |
|----------|-------------------|---------|

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|-----------|---------------------------------------|-------------------------|
| 9036-19-5 | Polyethylene glycol octylphenyl ether | 830 mg/m <sup>3</sup>   |
| 102-76-1  | Enzactin                              | 1,200 mg/m <sup>3</sup> |
| 112-27-6  | Triethylene Glycol                    | 4,400 mg/m <sup>3</sup> |
| 101-84-8  | diphenyl ether                        | 96 ppm                  |
| 91-64-5   | Coumarin                              | 58 mg/m <sup>3</sup>    |
| 123-11-5  | anisaldehyde                          | 300 mg/m <sup>3</sup>   |
| 65-85-0   | Benzoic acid                          | 830 mg/m <sup>3</sup>   |
| 57-55-6   | Propylene glycol                      | 7,900 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:** 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 following constituent is the only constituent of the product which has a PEL, TLV or other recommended exposure limit.  
At this time, the other constituents have no known exposure limits.

### 89-78-1 menthol

|      |  |
|------|--|
| WEEL | Short-term value: 19.2* mg/m <sup>3</sup> , 3* ppm<br>Long-term value: 6.4* mg/m <sup>3</sup> , 1* ppm<br>*OARS WEEL |
|------|--|

- **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:** Not required.

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· **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:**

Tightly sealed goggles

## 9 Physical and chemical properties

· **Information on basic physical and chemical properties**· **General Information**· **Appearance:**

|                        |                 |
|------------------------|-----------------|
| <b>Form:</b>           | Semi-Solid      |
| <b>Color:</b>          | Whitish         |
| <b>Odor:</b>           | Mint            |
| <b>Odor threshold:</b> | Not determined. |

· **pH-value:** Not applicable.

· **Change in condition**

|                                     |                                   |
|-------------------------------------|-----------------------------------|
| <b>Melting point/Melting range:</b> | unknown °C<br>Undetermined.       |
| <b>Boiling point/Boiling range:</b> | >100°C (>212 °F)<br>Undetermined. |

· **Flash point:** >100°C (>212 °F)  
Not applicable.

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

· **Ignition temperature:** 450°C (842 °F)

· **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.

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|   |   |
|---|---|
| <b>Upper:</b>                                     | Not determined.   |
| · <b>Vapor pressure at 20°C (68 °F):</b>          | <2hPa (<1.5 mm Hg)<br>Not applicable.                   |
| · <b>Density at 20°C (68 °F):</b>                 | >1g/cm <sup>3</sup> (>8.345 lbs/gal)<br>Not determined. |
| · <b>Relative density</b>                         | Not determined.   |
| · <b>Vapor density</b>                            | Not applicable.   |
| · <b>Evaporation rate</b>                         | Not applicable.   |
| · <b>Solubility in / Miscibility with Water:</b>  | Insoluble.  |
| · <b>Partition coefficient (n-octanol/water):</b> | Not determined.   |
| · <b>Viscosity:</b>                               |   |
| <b>Dynamic:</b>                                   | Not applicable.   |
| <b>Kinematic:</b>                                 | Not applicable.   |
| · <b>Solvent content:</b>                         |   |
| <b>Organic solvents:</b>                          | 7.9%  |
| <b>Water:</b>                                     | 18.6%   |
| <b>VOC content:</b>                               | 0.06%   |
| · <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>119-36-8 methyl salicylate</b>                             |      |                       |
| Oral  | LD50 | 887 mg/kg (rat)       |
| <b>89-78-1 menthol</b>  |      |                       |
| Oral  | LD50 | 2,600 mg/kg (rat)     |
| <b>112-27-6 Triethylene Glycol</b>                            |      |                       |
| Oral  | LD50 | 17,000 mg/kg (rat)    |
| <b>4180-23-8 (E)-anethole</b>                                 |      |                       |
| Oral  | LD50 | 2,090 mg/kg (rat)     |
| Dermal  | LD50 | >5,000 mg/kg (rabbit) |

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

|      |      |                   |
|------|------|-------------------|
| Oral | LD50 | 2,480 mg/kg (rat) |
|------|------|-------------------|

|        |      |                      |
|--------|------|----------------------|
| Dermal | LD50 | 2,480 mg/kg (rabbit) |
|--------|------|----------------------|

### 91-64-5 Coumarin

|      |      |                 |
|------|------|-----------------|
| Oral | LD50 | 293 mg/kg (rat) |
|------|------|-----------------|

### 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:** 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)

|          |                            |   |
|----------|----------------------------|---|
| 91-64-5  | Coumarin                   | 3 |
| 128-37-0 | 2,6-di-tert-butyl-p-cresol | 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:

#### 89-78-1 menthol

|      |                      |
|------|----------------------|
| EC50 | 44.3 mg/kg (daphnia) |
|------|----------------------|

- **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.

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## 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

|  |                 |
|--|-----------------|
| <b>· UN-Number</b>   |                 |
| <b>· DOT, ADN, IMDG, IATA</b>  | not regulated   |
| <b>· UN proper shipping name</b>   |                 |
| <b>· DOT, ADN, IMDG, IATA</b>  | not regulated   |
| <b>· Transport hazard class(es)</b>  |                 |
| <b>· DOT, ADN, IMDG, IATA</b>  |                 |
| <b>· Class</b>   | not regulated   |
| <b>· Packing group</b>   |                 |
| <b>· DOT, IMDG, IATA</b>   | not regulated   |
| <b>· Environmental hazards:</b>  | Not applicable. |
| <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

|   |                                    |
|---|------------------------------------|
| <b>· Safety, health and environmental regulations/legislation specific for the substance or mixture</b> |                                    |
| <b>· Sara</b>   |                                    |
| <b>· Section 355 (extremely hazardous substances):</b>  |                                    |
|   | None of the ingredients is listed. |
| <b>· Section 313 (Specific toxic chemical listings):</b>  |                                    |
|   | None of the ingredients is listed. |
| <b>· TSCA (Toxic Substances Control Act):</b>   |                                    |
|   | All ingredients are listed.        |
| <b>· Proposition 65</b>   |                                    |
| <b>· Chemicals known to cause cancer:</b>   |                                    |
|   | None of the ingredients is listed. |
| <b>· Chemicals known to cause reproductive toxicity for females:</b>                                    |                                    |
|   | None of the ingredients is listed. |
| <b>· Chemicals known to cause reproductive toxicity for males:</b>                                      |                                    |
|   | None of the ingredients is listed. |

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

None of the ingredients is listed.

· **Carcinogenic categories**

· **EPA (Environmental Protection Agency)**

|         |              |   |
|---------|--------------|---|
| 65-85-0 | Benzoic acid | D |
|---------|--------------|---|

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

|         |              |    |
|---------|--------------|----|
| 76-22-2 | bornan-2-one | A4 |
|---------|--------------|----|

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

(E)-anethole

Eucalyptus Oil (Eucalyptus Globulus Labille)

Trade Secret (Fragrance)

Benzyl salicylate

Coumarin

Hexyl cinnamal

· **Hazard statements**

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.

Specific treatment (see on this label).

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

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.

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**· Date of preparation / last revision** 08/25/2017 / -**· 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**PEL: Permissible Exposure Limit**REL: Recommended Exposure Limit**Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A**Skin Sens. 1: Skin sensitisation – Category 1*

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