

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

Printing date 08/20/2018

Reviewed on 08/20/2018

**1 Identification**

- **Product identifier**
- **Trade name:** V-AIR SOLID - SWEET PEA & WISTERIA
- **Article number:** V-SOLID SWEET-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:**  
alpha-Hexylcinnamaldehyde  
p-t-Butyl-alpha-methylhydrocinnamic aldehyde  
alpha-iso-Methylionone  
Linalool  
1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone  
2-Methyl-3-(p-isopropylphenyl)propionaldehyde  
Benzyl salicylate  
Eucalyptus Oil (Eucalyptus Globulus Labille)  
(R)-p-mentha-1,8-diene  
4-(4-hydroxy-4-methylpentyl)cyclohex-3-ene-1-carbaldehyde
- **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)**

|   |   |   |
|---|---|---|
| 1 | 1 | 0 |
| 1 |   | 0 |

Health = 1  
Fire = 1  
Reactivity = 0

· **HMIS-ratings (scale 0 - 4)**

|            |   |                |
|------------|---|----------------|
| HEALTH     | 0 | Health = 0     |
| FIRE       | 1 | Fire = 1       |
| 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:**

|             |  |            |
|-------------|--|------------|
| 78-69-3     | Tetrahydrolinalool   | ≥2.5-<10%  |
| 141-97-9    | ethyl acetoacetate   | ≥0.1-≤2.5% |
| 101-86-0    | alpha-Hexylcinnamaldehyde  | ≥1-≤2.5%   |
| 80-54-6     | p-t-Butyl-alpha-methylhydrocinnamic aldehyde                             | ≥1-≤2.5%   |
| 88917-22-0  | Dipropylene glycol monomethyl ether acetate                              | ≥0.1-≤2.5% |
| 127-51-5    | alpha-iso-Methylionone   | ≥0.1-<1%   |
| 78-70-6     | Linalool   | ≥0.1-<1%   |
| 127087-87-0 | Surfactant, Nonyl Phenol 9.5   | ≥0.1-≤2.5% |
| 54464-57-2  | 1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone | ≥0.1-<1%   |
| 103-95-7    | 2-Methyl-3-(p-isopropylphenyl)propionaldehyde                            | ≥0.1-<1%   |
| 118-58-1    | Benzyl salicylate  | ≥0.1-<1%   |
| 8000-48-4   | Eucalyptus Oil (Eucalyptus Globulus Labille)                             | ≥0.1-<1%   |
| 5989-27-5   | (R)-p-mentha-1,8-diene   | ≥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.

· **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:** 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 <sup>3</sup>  |
| 141-97-9    | ethyl acetoacetate                  | 12 mg/m <sup>3</sup>  |
| 127087-87-0 | Surfactant, Nonyl Phenol 9.5        | 30 mg/m <sup>3</sup>  |
| 102-76-1    | (tri-)Acetin                        | 19 mg/m <sup>3</sup>  |
| 5989-27-5   | (R)-p-mentha-1,8-diene              | 15 ppm                |
| 140-11-4    | benzyl acetate                      | 30 ppm                |
| 120-51-4    | Benzyl benzoate                     | 5.7 mg/m <sup>3</sup> |
| 123-11-5    | p-Methoxybenzaldehyde               | 21 mg/m <sup>3</sup>  |

### · PAC-2:

|             |                                     |                       |
|-------------|-------------------------------------|-----------------------|
| 9036-19-5   | poly(oxyethylene) octylphenyl ether | 140 mg/m <sup>3</sup> |
| 141-97-9    | ethyl acetoacetate                  | 130 mg/m <sup>3</sup> |
| 127087-87-0 | Surfactant, Nonyl Phenol 9.5        | 330 mg/m <sup>3</sup> |
| 102-76-1    | (tri-)Acetin                        | 210 mg/m <sup>3</sup> |
| 5989-27-5   | (R)-p-mentha-1,8-diene              | 67 ppm                |
| 140-11-4    | benzyl acetate                      | 330 ppm               |
| 120-51-4    | Benzyl benzoate                     | 63 mg/m <sup>3</sup>  |
| 123-11-5    | p-Methoxybenzaldehyde               | 230 mg/m <sup>3</sup> |

### · PAC-3:

|             |                                     |                         |
|-------------|-------------------------------------|-------------------------|
| 9036-19-5   | poly(oxyethylene) octylphenyl ether | 830 mg/m <sup>3</sup>   |
| 141-97-9    | ethyl acetoacetate                  | 790 mg/m <sup>3</sup>   |
| 127087-87-0 | Surfactant, Nonyl Phenol 9.5        | 2,000 mg/m <sup>3</sup> |
| 102-76-1    | (tri-)Acetin                        | 1,200 mg/m <sup>3</sup> |
| 5989-27-5   | (R)-p-mentha-1,8-diene              | 170 ppm                 |
| 140-11-4    | benzyl acetate                      | 2,000 ppm               |
| 120-51-4    | Benzyl benzoate                     | 380 mg/m <sup>3</sup>   |

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123-11-5 p-Methoxybenzaldehyde

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300 mg/m<sup>3</sup>

## 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:** 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:**  
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

|   |   |
|---|---|
| · <b>Information on basic physical and chemical properties</b>    |   |
| · <b>General Information</b>                                      |   |
| · <b>Appearance:</b>  |   |
| Form:   | Semi-Solid                                    |
| Color:  | Light Purple                                  |
| · <b>Odor:</b>  | Characteristic                                |
| · <b>Odor threshold:</b>  | Not determined.                               |
| · <b>pH-value:</b>  | Not applicable.                               |
| · <b>Change in condition</b>                                      |   |
| Melting point/Melting range:                                      | Undetermined.                                 |
| Boiling point/Boiling range:                                      | >100 °C (>212 °F)                             |
| · <b>Flash point:</b>   | >100 °C (>212 °F)                             |
| · <b>Flammability (solid, gaseous):</b>                           | Not determined.                               |
| · <b>Decomposition temperature:</b>                               | Not determined.                               |
| · <b>Auto igniting:</b>   | Product is not selfigniting.                  |
| · <b>Danger of explosion:</b>                                     | Product does not present an explosion hazard. |
| · <b>Explosion limits:</b>  |   |
| Lower:  | Not determined.                               |
| Upper:  | Not determined.                               |
| · <b>Vapor pressure at 20 °C (68 °F):</b>                         | <2 hPa (<1.5 mm Hg)                           |
| · <b>Density at 20 °C (68 °F):</b>                                | >1 g/cm <sup>3</sup> (>8.345 lbs/gal)         |
| · <b>Relative density</b>   | Not determined.                               |
| · <b>Vapor density</b>  | Not applicable.                               |
| · <b>Evaporation rate</b>   | Not applicable.                               |
| · <b>Solubility in / Miscibility with</b>                         |   |
| Water:  | Insoluble.                                    |
| · <b>Partition coefficient (n-octanol/water):</b> Not determined. |   |
| · <b>Viscosity:</b>   |   |
| Dynamic:  | Not applicable.                               |
| Kinematic:  | Not applicable.                               |
| · <b>Solvent content:</b>   |   |
| Organic solvents:   | 4.2 %   |
| Water:  | 18.5 %  |
| VOC content:  | 0.11 %  |
|   | Exempt Fragrance and no other VOCs            |
| Solids content:   | 100.0 %                                       |
| · <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.

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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:**

### 78-69-3 Tetrahydrolinalool

|            |          |                    |
|------------|----------|--------------------|
| Oral       | LD50     | >5,000 mg/kg (rat) |
| Inhalative | LC50/4 h | 0.885 mg/l (rat)   |

### 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)   |

### 127-51-5 alpha-iso-Methylionone

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

### 78-70-6 Linalool

|        |      |                      |
|--------|------|----------------------|
| Oral   | LD50 | 2,790 mg/kg (rat)    |
| Dermal | LD50 | 5,610 mg/kg (rabbit) |

### 127087-87-0 Surfactant, Nonyl Phenol 9.5

|        |      |                       |
|--------|------|-----------------------|
| Oral   | LD50 | >500 mg/kg (rat)      |
| Dermal | LD50 | >1,000 mg/kg (rabbit) |

### 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) |

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

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

### 5989-27-5 (R)-p-mentha-1,8-diene

|      |      |                   |
|------|------|-------------------|
| Oral | LD50 | 4,400 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:

Irritant

· **Carcinogenic categories**

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

|           |                          |   |
|-----------|--------------------------|---|
| 128-37-0  | Butylated hydroxytoluene | 3 |
| 5989-27-5 | (R)-p-mentha-1,8-diene   | 3 |
| 140-11-4  | benzyl acetate           | 3 |

· **NTP (National Toxicology Program)**

None of the ingredients is listed.

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· **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

- |  |                 |
|--|-----------------|
| · <b>UN-Number</b>   |                 |
| · <b>DOT, IMDG, IATA</b>   | not regulated   |
| · <b>UN proper shipping name</b>   |                 |
| · <b>DOT, IMDG, IATA</b>   | not regulated   |
| · <b>Transport hazard class(es)</b>  |                 |
| · <b>DOT, 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   |

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## 15 Regulatory information

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

|  |
|--|
| · <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. |
|------------------------------------|

|   |
|---|
| · <b>Chemicals known to cause developmental toxicity:</b> |
|---|

|                                    |
|------------------------------------|
| None of the ingredients is listed. |
|------------------------------------|

|                                  |
|----------------------------------|
| · <b>Carcinogenic categories</b> |
|----------------------------------|

|  |
|--|
| · <b>EPA (Environmental Protection Agency)</b> |
|--|

|                                    |
|------------------------------------|
| None of the ingredients is listed. |
|------------------------------------|

|   |
|---|
| · <b>TLV (Threshold Limit Value established by ACGIH)</b> |
|---|

|          |                          |    |
|----------|--------------------------|----|
| 128-37-0 | Butylated hydroxytoluene | A4 |
|----------|--------------------------|----|

|          |                |    |
|----------|----------------|----|
| 140-11-4 | benzyl acetate | A4 |
|----------|----------------|----|

|   |
|---|
| · <b>NIOSH-Ca (National Institute for Occupational Safety and Health)</b> |
|---|

|                                    |
|------------------------------------|
| None of the ingredients is listed. |
|------------------------------------|

|                             |
|-----------------------------|
| · <b>GHS label elements</b> |
|-----------------------------|

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

|                            |
|----------------------------|
| · <b>Hazard pictograms</b> |
|----------------------------|



GHS07

|                              |
|------------------------------|
| · <b>Signal word</b> Warning |
|------------------------------|

|   |
|---|
| · <b>Hazard-determining components of labeling:</b> |
|---|

|                           |
|---------------------------|
| alpha-Hexylcinnamaldehyde |
|---------------------------|

|  |
|--|
| p-t-Butyl-alpha-methylhydrocinnamic aldehyde |
|--|

|                        |
|------------------------|
| alpha-iso-Methylionone |
|------------------------|

|          |
|----------|
| Linalool |
|----------|

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

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

|                   |
|-------------------|
| Benzyl salicylate |
|-------------------|

|  |
|--|
| Eucalyptus Oil (Eucalyptus Globulus Labille) |
|--|

|                        |
|------------------------|
| (R)-p-mentha-1,8-diene |
|------------------------|

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

|                            |
|----------------------------|
| · <b>Hazard statements</b> |
|----------------------------|

|                                      |
|--------------------------------------|
| May cause an allergic skin reaction. |
|--------------------------------------|

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· **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.*

· **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** 08/20/2018 / -

· **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*

*Skin Sens. 1: Skin sensitisation – Category 1*

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