

## AERO DIFFUSION GRAPES 500ml/1000ml

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

- 1.1 Product identifier:** AERO DIFFUSION GRAPES 500ml/1000ml
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:**  
Relevant uses: Air freshener  
Uses advised against: All uses not specified in this section or in section 7.3
- 1.3 Details of the supplier of the safety data sheet:**  
Prime Solutions SA  
2, Deligiorgi Str., Alimos-Athens  
17456 Athens - GREECE  
<http://www.primesolutions.gr>  
**Spring Air**  
Deligiorgi 2 & Ionias  
174 56 Alimos, Athens, Greece  
Tel: +30 210 9734805  
Fax: +30 2109945660  
e-mail: [info@springair.gr](mailto:info@springair.gr)  
website: [www.springair.gr](http://www.springair.gr)
- 1.4 Emergency telephone number:** European Emergency Tel: 112

### SECTION 2: HAZARDS IDENTIFICATION

- 2.1 Classification of the substance or mixture:**  
**CLP Regulation (EC) No 1272/2008:**  
Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.  
Aquatic Chronic 2: Hazardous to the aquatic environment, long-term hazard, Category 2, H411  
Eye Irrit. 2: Eye irritation, Category 2, H319
- 2.2 Label elements:**  
**CLP Regulation (EC) No 1272/2008:**  
**Warning**  
   
**Hazard statements:**  
Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects  
Eye Irrit. 2: H319 - Causes serious eye irritation  
**Precautionary statements:**  
P101: If medical advice is needed, have product container or label at hand  
P102: Keep out of reach of children  
P264: Wash thoroughly after handling  
P273: Avoid release to the environment  
P280: Wear protective gloves/protective clothing/eye protection/face protection  
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
P391: Collect spillage  
P501: Dispose of contents/container according to the separated collection system used in your municipality
- 2.3 Other hazards:**  
Product fails to meet PBT/vPvB criteria

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

- 3.1 Substance:**  
Non-applicable
- 3.2 Mixture:**  
**Chemical description:** Mixture composed of additives in solvents

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### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)

#### Components:

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

| Identification                                                                           | Chemical name/Classification                                                |                                                                                                                                                                                                                                                       | Concentration           |
|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|
| CAS: 56539-66-3<br>EC: 260-252-4<br>Index: Non-applicable<br>REACH 01-2119976333-33-XXXX | <b>3-methoxy-3-methylbutan-1-ol<sup>(1)</sup></b> Self-classified           |                                                                                                                                                                                                                                                       | <b>24 - &lt;50 %</b>    |
|                                                                                          | Regulation 1272/2008                                                        | Eye Irrit. 2: H319 - Warning                                                                                                                                       |                         |
| CAS: 4940-11-8<br>EC: 225-582-5<br>Index: Non-applicable<br>REACH Non-applicable         | <b>2-ethyl-3-hydroxy-4-pyrone<sup>(1)</sup></b> Self-classified             |                                                                                                                                                                                                                                                       | <b>2,4 - &lt;4,9 %</b>  |
|                                                                                          | Regulation 1272/2008                                                        | Acute Tox. 4: H302 - Warning                                                                                                                                       |                         |
| CAS: 101-86-0<br>EC: 202-983-3<br>Index: Non-applicable<br>REACH Non-applicable          | <b>Hexyl cinnam-aldehyde<sup>(1)</sup></b> Self-classified                  |                                                                                                                                                                                                                                                       | <b>2,4 - &lt;4,9 %</b>  |
|                                                                                          | Regulation 1272/2008                                                        | Skin Irrit. 2: H315 - Warning                                                                                                                                      |                         |
| CAS: 928-96-1<br>EC: 213-192-8<br>Index: Non-applicable<br>REACH 01-2119969743-23-XXXX   | <b>Cis-hex-3-en-1-ol<sup>(1)</sup></b> Self-classified                      |                                                                                                                                                                                                                                                       | <b>1 - &lt;2,4 %</b>    |
|                                                                                          | Regulation 1272/2008                                                        | Eye Irrit. 2: H319; Flam. Liq. 3: H226 - Warning                                |                         |
| CAS: 6413-10-1<br>EC: 229-114-0<br>Index: Non-applicable<br>REACH 01-2119983692-24-XXXX  | <b>Ethyl 2-methyl-1,3-dioxolane-2-acetate<sup>(1)</sup></b> Self-classified |                                                                                                                                                                                                                                                       | <b>1 - &lt;2,4 %</b>    |
|                                                                                          | Regulation 1272/2008                                                        | Flam. Liq. 3: H226; Skin Irrit. 2: H315 - Warning                               |                         |
| CAS: 104-67-6<br>EC: 203-225-4<br>Index: Non-applicable<br>REACH 01-2119959333-34-XXXX   | <b>Undecan-4-olide<sup>(1)</sup></b> Self-classified                        |                                                                                                                                                                                                                                                       | <b>0,24 - &lt;0,9 %</b> |
|                                                                                          | Regulation 1272/2008                                                        | Aquatic Acute 1: H400; Aquatic Chronic 3: H412; Skin Irrit. 2: H315 - Warning   |                         |

<sup>(1)</sup> Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2015/830

To obtain more information on the hazards of the substances consult sections 8, 11, 12, 15 and 16.

### SECTION 4: FIRST AID MEASURES

#### 4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

##### By inhalation:

This product does not contain substances classified as hazardous for inhalation.

##### By skin contact:

In case of contact it is recommended to clean the affected area thoroughly with water and neutral soap.

##### By eye contact:

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

##### By ingestion/aspiration:

In case of consumption, seek immediate medical assistance showing the SDS for the product.

#### 4.2 Most important symptoms and effects, both acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

#### 4.3 Indication of any immediate medical attention and special treatment needed:

Non-applicable

### SECTION 5: FIREFIGHTING MEASURES

#### 5.1 Extinguishing media:

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### SECTION 5: FIREFIGHTING MEASURES (continued)

Product is non-flammable under normal conditions of storage, manipulation and use, but the product contains flammable substances. In the case of inflammation as a result of improper manipulation, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems. IT IS NOT RECOMMENDED to use tap water as an extinguishing agent.

#### 5.2 Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

#### 5.3 Advice for firefighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

#### Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

#### 6.1 Personal precautions, protective equipment and emergency procedures:

Isolate leaks provided that there is no additional risk for the people performing this task. Evacuate the area and keep out those without protection. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Above all prevent the formation of any vapour-air flammable mixtures, through either ventilation or the use of an inert medium. Destroy any source of ignition. Eliminate electrostatic charges by interconnecting all the conductive surfaces on which static electricity could form, and also ensuring that all surfaces are connected to the ground.

#### 6.2 Environmental precautions:

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

#### 6.3 Methods and material for containment and cleaning up:

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

#### 6.4 Reference to other sections:

See sections 8 and 13.

### SECTION 7: HANDLING AND STORAGE

#### 7.1 Precautions for safe handling:

##### A.- Precautions for safe manipulation

Comply with the current legislation concerning the prevention of industrial risks. Keep containers hermetically sealed. Control spills and residues, destroying them with safe methods (section 6). Avoid leakages from the container. Maintain order and cleanliness where dangerous products are used.

##### B.- Technical recommendations for the prevention of fires and explosions

Avoid the evaporation of the product as it contains flammable substances, which could form flammable vapour/air mixtures in the presence of sources of ignition. Control sources of ignition (mobile phones, sparks,...) and transfer at slow speeds to avoid the creation of electrostatic charges. Avoid splashes and pulverizations. Consult section 10 for conditions and materials that should be avoided.

##### C.- Technical recommendations to prevent ergonomic and toxicological risks

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

##### D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

#### 7.2 Conditions for safe storage, including any incompatibilities:

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### SECTION 7: HANDLING AND STORAGE (continued)

**Storage:** Store in cool, dry conditions in well sealed receptacles.

**Requirements to be met by storerooms and receptacles:** Store in a cool location. Observe official regulations on storing packagings with pressurised containers.

**Information about storage in one common storage facility:** Store away from flammable substances.

**Further information about storage conditions:** Protect from heat and direct sunlight.  
Store in cool, dry conditions in well sealed receptacles.

#### 7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the work environment

There are no occupational exposure limits for the substances contained in the product

##### DNEL (Workers):

| Identification                                                   |            | Short exposure |                | Long exposure           |                |
|------------------------------------------------------------------|------------|----------------|----------------|-------------------------|----------------|
|                                                                  |            | Systemic       | Local          | Systemic                | Local          |
| 3-methoxy-3-methylbutan-1-ol<br>CAS: 56539-66-3<br>EC: 260-252-4 | Oral       | Non-applicable | Non-applicable | Non-applicable          | Non-applicable |
|                                                                  | Dermal     | Non-applicable | Non-applicable | 2 mg/kg                 | Non-applicable |
|                                                                  | Inhalation | Non-applicable | Non-applicable | 5,9 mg/m <sup>3</sup>   | Non-applicable |
| Cis-hex-3-en-1-ol<br>CAS: 928-96-1<br>EC: 213-192-8              | Oral       | Non-applicable | Non-applicable | Non-applicable          | Non-applicable |
|                                                                  | Dermal     | Non-applicable | Non-applicable | 3,33 mg/kg              | Non-applicable |
|                                                                  | Inhalation | Non-applicable | Non-applicable | 11,75 mg/m <sup>3</sup> | Non-applicable |
| Undecan-4-olide<br>CAS: 104-67-6<br>EC: 203-225-4                | Oral       | Non-applicable | Non-applicable | Non-applicable          | Non-applicable |
|                                                                  | Dermal     | Non-applicable | Non-applicable | 5,38 mg/kg              | Non-applicable |
|                                                                  | Inhalation | Non-applicable | Non-applicable | 19 mg/m <sup>3</sup>    | Non-applicable |

##### DNEL (General population):

| Identification                                                   |            | Short exposure |                | Long exposure          |                |
|------------------------------------------------------------------|------------|----------------|----------------|------------------------|----------------|
|                                                                  |            | Systemic       | Local          | Systemic               | Local          |
| 3-methoxy-3-methylbutan-1-ol<br>CAS: 56539-66-3<br>EC: 260-252-4 | Oral       | Non-applicable | Non-applicable | 0,5 mg/kg              | Non-applicable |
|                                                                  | Dermal     | Non-applicable | Non-applicable | 1,2 mg/kg              | Non-applicable |
|                                                                  | Inhalation | Non-applicable | Non-applicable | 1,7 mg/m <sup>3</sup>  | Non-applicable |
| Cis-hex-3-en-1-ol<br>CAS: 928-96-1<br>EC: 213-192-8              | Oral       | Non-applicable | Non-applicable | 1,67 mg/kg             | Non-applicable |
|                                                                  | Dermal     | Non-applicable | Non-applicable | 1,67 mg/kg             | Non-applicable |
|                                                                  | Inhalation | Non-applicable | Non-applicable | 2,9 mg/m <sup>3</sup>  | Non-applicable |
| Undecan-4-olide<br>CAS: 104-67-6<br>EC: 203-225-4                | Oral       | Non-applicable | Non-applicable | 2,7 mg/kg              | Non-applicable |
|                                                                  | Dermal     | Non-applicable | Non-applicable | 2,7 mg/kg              | Non-applicable |
|                                                                  | Inhalation | Non-applicable | Non-applicable | 4,68 mg/m <sup>3</sup> | Non-applicable |

##### PNEC:

| Identification                                    |              |             |                         |               |  |
|---------------------------------------------------|--------------|-------------|-------------------------|---------------|--|
| Undecan-4-olide<br>CAS: 104-67-6<br>EC: 203-225-4 | STP          | 80 mg/L     | Fresh water             | 0,00585 mg/L  |  |
|                                                   | Soil         | 0,122 mg/kg | Marine water            | 0,000585 mg/L |  |
|                                                   | Intermittent | 0,0585 mg/L | Sediment (Fresh water)  | 0,628 mg/kg   |  |
|                                                   | Oral         | 66,7 g/kg   | Sediment (Marine water) | 0,063 mg/kg   |  |

#### 8.2 Exposure controls:

A.- General security and hygiene measures in the work place

Wash hands before breaks and at the end of work.

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### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)

**B.- Respiratory protection**

The use of protection equipment will not be necessary under normal condition of use.

**C.- Specific protection for the hands**

"As the product is a mixture of several substances, the resistance of the glove material can not be predicted in advance with total reliability and has therefore to be checked prior to the application"

**D.- Ocular and facial protection**

Not required under normal condition of use.

**E.- Body protection**

Not required under normal condition of use.

**Environmental exposure controls:**

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**9.1 Information on basic physical and chemical properties:**

For complete information see the product datasheet.

**Appearance:**

Physical state at 20 °C: Liquid

\*Not relevant due to the nature of the product, not providing information property of its hazards.

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## AERO DIFFUSION GRAPES 500ml/1000ml

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

|                                              |                        |
|----------------------------------------------|------------------------|
| Appearance:                                  | Characteristic         |
| Colour:                                      | Characteristic         |
| Odour:                                       | Characteristic         |
| Odour threshold:                             | Non-applicable *       |
| <b>Volatility:</b>                           |                        |
| Boiling point at atmospheric pressure:       | Non-applicable *       |
| Vapour pressure at 20 °C:                    | Non-applicable *       |
| Vapour pressure at 50 °C:                    | Non-applicable*        |
| Evaporation rate at 20 °C:                   | Non-applicable *       |
| <b>Product description:</b>                  |                        |
| Density at 20 °C:                            | Non-applicable *       |
| Relative density at 20 °C:                   | Non-applicable *       |
| Dynamic viscosity at 20 °C:                  | Non-applicable *       |
| Kinematic viscosity at 20 °C:                | Non-applicable *       |
| Kinematic viscosity at 40 °C:                | Non-applicable *       |
| Concentration:                               | Non-applicable *       |
| pH:                                          | Non-applicable *       |
| Vapour density at 20 °C:                     | Non-applicable *       |
| Partition coefficient n-octanol/water 20 °C: | Non-applicable *       |
| Solubility in water at 20 °C:                | Non-applicable *       |
| Solubility properties:                       | Non-applicable *       |
| Decomposition temperature:                   | Non-applicable *       |
| Melting point/freezing point:                | Non-applicable *       |
| Explosive properties:                        | Non-applicable *       |
| Oxidising properties:                        | Non-applicable *       |
| <b>Flammability:</b>                         |                        |
| Flash Point:                                 | Non Flammable (>60 °C) |
| Flammability (solid, gas):                   | Non-applicable *       |
| Autoignition temperature:                    | Non-applicable *       |
| Lower flammability limit:                    | Non-applicable *       |
| Upper flammability limit:                    | Non-applicable *       |
| <b>Explosive:</b>                            |                        |
| Lower explosive limit:                       | Non-applicable *       |
| Upper explosive limit:                       | Non-applicable *       |
| <b>9.2 Other information:</b>                |                        |
| Surface tension at 20 °C:                    | Non-applicable *       |
| Refraction index:                            | Non-applicable *       |

\*Not relevant due to the nature of the product, not providing information property of its hazards.

### SECTION 10: STABILITY AND REACTIVITY

#### 10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

#### 10.2 Chemical stability:

Chemically stable under the conditions of storage, handling and use.

#### 10.3 Possibility of hazardous reactions:

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**AERO DIFFUSION GRAPES 500ml/1000ml**

**SECTION 10: STABILITY AND REACTIVITY (continued)**

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

**10.4 Conditions to avoid:**

Applicable for handling and storage at room temperature:

| Shock and friction | Contact with air | Increase in temperature | Sunlight   | Humidity       |
|--------------------|------------------|-------------------------|------------|----------------|
| Not applicable     | Not applicable   | Precaution              | Precaution | Not applicable |

**10.5 Incompatible materials:**

| Acids              | Water          | Combustive materials | Combustible materials | Others                        |
|--------------------|----------------|----------------------|-----------------------|-------------------------------|
| Avoid strong acids | Not applicable | Avoid direct impact  | Not applicable        | Avoid alkalis or strong bases |

**10.6 Hazardous decomposition products:**

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO<sub>2</sub>), carbon monoxide and other organic compounds.

**SECTION 11: TOXICOLOGICAL INFORMATION**

**11.1 Information on toxicological effects:**

The experimental information related to the toxicological properties of the product itself is not available

**Dangerous health implications:**

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as dangerous for this effect. For more information see section 3.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous for skin contact. For more information see section 3.
- Contact with the eyes: Produces eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for the effects mentioned. For more information see section 3.
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous with sensitising effects. For more information see section 3.
- Cutaneous: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

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## AERO DIFFUSION GRAPES 500ml/1000ml

### SECTION 11: TOXICOLOGICAL INFORMATION (continued)

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

#### Other information:

Non-applicable

#### Specific toxicology information on the substances:

| Identification                                                | Acute toxicity  |                | Genus  |
|---------------------------------------------------------------|-----------------|----------------|--------|
| Hexyl cinnam-aldehyde<br>CAS: 101-86-0<br>EC: 202-983-3       | LD50 oral       | 3100 mg/kg     | Rat    |
|                                                               | LD50 dermal     | 3000 mg/kg     | Rabbit |
|                                                               | LC50 inhalation | Non-applicable |        |
| 2-ethyl-3-hydroxy-4-pyrone<br>CAS: 4940-11-8<br>EC: 225-582-5 | LD50 oral       | 1200 mg/kg     | Rat    |
|                                                               | LD50 dermal     | Non-applicable |        |
|                                                               | LC50 inhalation | Non-applicable |        |
| Cis-hex-3-en-1-ol<br>CAS: 928-96-1<br>EC: 213-192-8           | LD50 oral       | 4615 mg/kg     | Rat    |
|                                                               | LD50 dermal     | Non-applicable |        |
|                                                               | LC50 inhalation | Non-applicable |        |
| Undecan-4-olide<br>CAS: 104-67-6<br>EC: 203-225-4             | LD50 oral       | 18500 mg/kg    | Rat    |
|                                                               | LD50 dermal     | Non-applicable |        |
|                                                               | LC50 inhalation | Non-applicable |        |

### SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

#### 12.1 Toxicity:

| Identification                                      | Acute toxicity |                     | Species             | Genus      |
|-----------------------------------------------------|----------------|---------------------|---------------------|------------|
| Cis-hex-3-en-1-ol<br>CAS: 928-96-1<br>EC: 213-192-8 | LC50           | 381 mg/L (96 h)     | Pimephales promelas | Fish       |
|                                                     | EC50           | Non-applicable      |                     |            |
|                                                     | EC50           | Non-applicable      |                     |            |
| Undecan-4-olide<br>CAS: 104-67-6<br>EC: 203-225-4   | LC50           | 0.1 - 1 mg/L (96 h) |                     | Fish       |
|                                                     | EC50           | 0.1 - 1 mg/L        |                     | Crustacean |
|                                                     | EC50           | 0.1 - 1 mg/L        |                     | Algae      |

#### 12.2 Persistence and degradability:

| Identification                                      | Degradability |                | Biodegradability |          |
|-----------------------------------------------------|---------------|----------------|------------------|----------|
| Cis-hex-3-en-1-ol<br>CAS: 928-96-1<br>EC: 213-192-8 | BOD5          | Non-applicable | Concentration    | 100 mg/L |
|                                                     | COD           | Non-applicable | Period           | 28 days  |
|                                                     | BOD5/COD      | Non-applicable | % Biodegradable  | 77 %     |

#### 12.3 Bioaccumulative potential:

| Identification                                          | Bioaccumulation potential |     |
|---------------------------------------------------------|---------------------------|-----|
| Hexyl cinnam-aldehyde<br>CAS: 101-86-0<br>EC: 202-983-3 | BCF                       | 17  |
|                                                         | Pow Log                   |     |
|                                                         | Potential                 | Low |

#### 12.4 Mobility in soil:

| Identification                                      | Absorption/desorption |                | Volatility |                |
|-----------------------------------------------------|-----------------------|----------------|------------|----------------|
| Cis-hex-3-en-1-ol<br>CAS: 928-96-1<br>EC: 213-192-8 | Koc                   | 7              | Henry      | Non-applicable |
|                                                     | Conclusion            | Very High      | Dry soil   | Non-applicable |
|                                                     | Surface tension       | Non-applicable | Moist soil | Non-applicable |

#### 12.5 Results of PBT and vPvB assessment:

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## AERO DIFFUSION GRAPES 500ml/1000ml

### SECTION 12: ECOLOGICAL INFORMATION (continued)

Product fails to meet PBT/vPvB criteria

#### 12.6 Other adverse effects:

Not described

### SECTION 13: DISPOSAL CONSIDERATIONS

#### 13.1 Waste treatment methods:

| Code      | Description                                                | Waste class (Regulation (EU) No 1357/2014) |
|-----------|------------------------------------------------------------|--------------------------------------------|
| 07 01 04* | other organic solvents, washing liquids and mother liquors | Dangerous                                  |

#### Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic, HP4 Irritant — skin irritation and eye damage

#### Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. We do not recommend disposal down the drain. See paragraph 6.2.

#### Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

### SECTION 14: TRANSPORT INFORMATION

#### Transport of dangerous goods by land:

With regard to ADR 2017 and RID 2017:



- 14.1 UN number:** UN3082
- 14.2 UN proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Hexyl cinnam-aldehyde; Undecan-4-olide)
- 14.3 Transport hazard class(es):** 9
- Labels:** 9
- 14.4 Packing group:** III
- 14.5 Environmental hazards:** Yes
- 14.6 Special precautions for user**
- Special regulations: 274, 335, 375, 601
- Tunnel restriction code: Non-applicable
- Physico-Chemical properties: see section 9
- Limited quantities: 5 L
- 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code:** Non-applicable

#### Transport of dangerous goods by sea:

With regard to IMDG 38-16:

**AERO DIFFUSION GRAPES 500ml/1000ml**

**SECTION 14: TRANSPORT INFORMATION (continued)**



- 14.1 UN number:** UN3082  
**14.2 UN proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Hexyl cinnam-aldehyde; Undecan-4-olide)  
**14.3 Transport hazard class(es):** 9  
**Labels:** 9  
**14.4 Packing group:** III  
**14.5 Environmental hazards:** Yes  
**14.6 Special precautions for user**  
Special regulations: 335, 969, 274  
EmS Codes: F-A, S-F  
Physico-Chemical properties: see section 9  
Limited quantities: 5 L  
**14.7 Transport in bulk according to Annex II of Marpol and the IBC Code:** Non-applicable

**Transport of dangerous goods by air:**

With regard to IATA/ICAO 2017:



- 14.1 UN number:** UN3082  
**14.2 UN proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Hexyl cinnam-aldehyde; Undecan-4-olide)  
**14.3 Transport hazard class(es):** 9  
**Labels:** 9  
**14.4 Packing group:** III  
**14.5 Environmental hazards:** Yes  
**14.6 Special precautions for user**  
Physico-Chemical properties: see section 9  
**14.7 Transport in bulk according to Annex II of Marpol and the IBC Code:** Non-applicable

**SECTION 15: REGULATORY INFORMATION**

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:**

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable

Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable

Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable

Article 95, REGULATION (EU) No 528/2012: Non-applicable

REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

**Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc ....):**

Non-applicable

**Specific provisions in terms of protecting people or the environment:**

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

**Other legislation:**

The product could be affected by sectorial legislation

**15.2 Chemical safety assessment:**

The supplier has not carried out evaluation of chemical safety.

**SECTION 16: OTHER INFORMATION**

**Legislation related to safety data sheets:**

- CONTINUED ON NEXT PAGE -

## AERO DIFFUSION GRAPES 500ml/1000ml

### SECTION 16: OTHER INFORMATION (continued)

This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (Regulation (EC) No 2015/830)

**Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:**

Non-applicable

**Texts of the legislative phrases mentioned in section 2:**

H319: Causes serious eye irritation

H411: Toxic to aquatic life with long lasting effects

**Texts of the legislative phrases mentioned in section 3:**

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

**CLP Regulation (EC) No 1272/2008:**

Acute Tox. 4: H302 - Harmful if swallowed

Aquatic Acute 1: H400 - Very toxic to aquatic life

Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects

Eye Irrit. 2: H319 - Causes serious eye irritation

Flam. Liq. 3: H226 - Flammable liquid and vapour

Skin Irrit. 2: H315 - Causes skin irritation

**Advice related to training:**

Minimal training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

**Principal bibliographical sources:**

<http://echa.europa.eu>

<http://eur-lex.europa.eu>

**Abbreviations and acronyms:**

ADR: European agreement concerning the international carriage of dangerous goods by road

IMDG: International maritime dangerous goods code

IATA: International Air Transport Association

ICAO: International Civil Aviation Organisation

COD: Chemical Oxygen Demand

BOD5: 5-day biochemical oxygen demand

BCF: Bioconcentration factor

LD50: Lethal Dose 50

LC50: Lethal Concentration 50

EC50: Effective concentration 50

Log-POW: Octanol-water partition coefficient

Koc: Partition coefficient of organic carbon

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -