

# CARPA DESIGN

## SAFETY DATA SHEET

### Section 1. Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

Product Name: CHP 300 Air Vent Membrane 3ML. Apple

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Recommended Use(s): Air Freshener

#### 1.3 Details of the supplier of the safety data sheet

Manufacturer: CARPA DESIGN ITALY S.R.L.  
C/O Studio Marchiori  
Via Beato Sebastiano Valfré, 14  
10121 Torino  
Italy

Email: info@carpadesign.net

Url: <http://www.carpadesign.net>

#### 1.4 Emergency telephone number

Emergency Contact: General: 390115613272

### Section 2. Hazards identification

#### 2.1 Classification of the substance or mixture

##### GHS Classification for mixture:

Hazardous to the aquatic environment, long-term (Chronic) - Category 2  
Skin sensitization - Category 1B  
Serious eye irritation - Category 2  
Skin irritation - Category 2  
Acute Toxicity Dermal - Category 4

#### 2.2 Label elements

##### Pictograms:



##### Signal Words:

Warning

##### Hazard Statements:

H312: Harmful in contact with skin.  
H315: Causes skin irritation.  
H317: May cause an allergic skin reaction.  
H319: Causes serious eye irritation.

H411: Toxic to aquatic life with long lasting effects.

### Precautionary Statements:

#### General

P101: If medical advice is needed, have product container or label at hand.

P102: Keep out of reach of children.

P103: Read label before use.

#### Prevention

P264: Wash thoroughly after handling.

P273: Avoid release to the environment.

P280: Wear protective gloves.

#### Response

P338+P305: IF IN EYES: Remove contact lenses, if present and easy to do. Continue rinsing.

P351+P305: IF IN EYES: Rinse cautiously with water for several minutes.

P352+P302: IF ON SKIN: Wash with plenty of water.

P303+P364+P353: IF ON SKIN: Take off immediately all contaminated clothing. Rinse skin with water.

#### Disposal

P501: Dispose of contents accordance with local/regional/national/international regulations.

## 2.3 Other hazards

EUH 208 : Contains Enthält patchouli ethanone, strawberry glycidate, Ligustral, 1,8-cineole, Heliotropin, may cause an allergic skin reaction.

Contributing components to the classificaion: Eugenol; Cinamal; Cinnamonitrile; Cinnamyl alcohol.

## Section 3. Composition/information on ingredients

### 3.1 Substances

No available data for this section.

### 3.2 Mixtures

Identifiers	Ingredients	Percentage	Classification
56539-66-3	3-Methoxy-3-methyl-1-butanol (MMB)	30% to 50%	Eye Irr. 2
97-53-0	Eugenol	10% to 15%	Skin. Sens. 1B, Eye Irr. 2
104-55-2	Cinnamic Aldehyde	10% to 15%	Skin Irr. 2, Eye Irr. 2
88-41-5	O-tert-butylcyclohexyl acetate	10% to 15%	Aquatic Chronic 2
64-17-5	Ethanol	10% to 15%	Flam. Liq. 2
105-53-3	Diethyl malonate	2.5% to 5%	Eye Irr. 2
104-67-6	Undecan-4-olide	2.5% to 5%	Aquatic Chronic 3
1885-38-7	Cinnamonitrile	2.5% to 5%	Acute Tox. Orl. 3
106-24-1	Geraniol	1% to 2.5%	Skin. Sens. 1B, Eye Dam. 1
104-54-1	Cinnamyl alcohol	1% to 2.5%	Skin. Sens. 1
54464-87-2	Patchouli ethanone	1% to 2.5%	Aquatic Acute 1, Skin. Sens. 1, Aquatic Chronic 1, Skin Irr. 2
470-82-6	1,8-Cineole	<1%	Aquatic Acute 1, Skin. Sens. 1, Aquatic Chronic 1, Skin Irr. 2
120-57-0	Piperonal	<1%	Skin. Sens. 1

Identifiers	Ingredients	Percentage	Classification
77-83-8	Strawberry glycidate	<1%	Skin. Sens. 1, Aquatic Chronic 2
68039-49-6	Ligustral	<1%	Skin. Sens. 1, Aquatic Chronic 3, Skin Irr. 2, Eye Irr. 2

## Section 4. First-Aid Measures

### 4.1 Description of First Aid Measures

#### In the event of splashes or contact with eyes

Wash eyes with plenty of water. Avoid rubbing eyes or blinking frequently. Remove the contact lenses if worn and easy to do that. Hold eyelids open to ensure adequate flushing. Continue rinsing. Seek medical attention.

#### In the event of splashes or contact with skin

If redness or other symptoms occur, seek medical advice / attention. Take off all contaminated clothing and wash it before reuse. Wash contaminated areas thoroughly with water. If the mixture causes burns or freezing, the clothes should not be removed to avoid to worsen the damage caused if stuck to the skin.

#### In the event of ingestion

DO NOT INDUCE VOMITING. If spontaneous vomiting occurs, lean the exposed person forward to reduce the risk of aspiration. Keep person at rest. Rinse the mouth with water.

#### In the event of inhalation

Product has no known inhalation hazards. Seek medical attention if symptoms occur.

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

**Eyes:** Serious eye irritation.

**Skin:** Skin sensitizer. Skin irritant. May cause allergic reactions, (redness, itching, dryness).

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

Symptomatic treatment.

## Section 5. Firefighting Measures

### 5.1 Extinguishing media

#### Suitable Extinguishing Media

Powder ABC. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

#### Unsuitable Extinguishing Media

Tap water is not recommended.

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

#### Specific Hazards Arising from Combustion of Products

**Fire / decomposition hazards:** Gas, vapors, or dust are irritating to skin and eyes. Gas, vapors, or dust may trigger allergic skin reactions.

Product is not flammable under normal storage, handling and use.

#### Combustion Products

Carbon dioxide (CO<sub>2</sub>). Carbon monoxide (CO). Oxides of nitrogen (NO<sub>x</sub>).

### 5.3 Advice for firefighters

#### Protective Measures for Fire-Fighting

Wear protective gloves, clothing, and protective goggles to prevent contact with skin and eyes.

## Special Protective Actions for Fire-Fighters

Avoid breathing gas / mist / dust / fume / vapor / spray / particles. Avoid direct contact with the substance (solid / liquid / vapor). Evacuate the people from the area. Isolate hazard area and deny entry. Dike area to prevent runoff and contamination of water sources. Do not allow run-off from fire fighting to enter drains or water courses.

## Other Information for Fire Fighters

No available data for this section.

## Section 6. Accidental Release Measures

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

Wear appropriate chemical resistant gloves. Wear protective gloves, clothing, and protective goggles to prevent contact with skin and eyes.

### 6.2 Environmental precautions

Dispose of the material in accordance with government regulations. Do not discharge into drains or any body of water (rivers, streams, ponds, lakes, etc). Notify the competent local authorities of any large scale spill. Dike area to prevent runoff and contamination of water sources. This product contains ingredients which are toxic to fish and invertebrates.

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

Ensure cleanup is conducted by trained personnel only. Sweep up the product and place in a container for reuse(preferably). Consult section 13 for additional information.

### 6.4 Reference to other sections

No available data for this section.

## Section 7. Handling and Storage

### 7.1 Precautions for safe handling

Avoid contact with eyes. Wash Hands thoroughly after handling. Do not eat, drink or smoke during handling. Handle in accordance with good industrial hygiene and safety practice. Handle in accordance with all current regulations and standards. The product is stable and under normal conditions and can be easily handled. Due to this products danger to the environment, it is recommended to manipulate this product within an area that is has barriers to environmental release.

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

#### Conditions for Safe Storage

Keep container closed when not in use. Respect the occupational health and safety standards. Store in a cool, well ventilated area.

#### Suitable Packaging

No particular packaging specified.

#### Incompatible Materials

Not specified.

### 7.3 Specific end use(s)

No available data for this section.

## Section 8. Exposure Controls / Personal Protection

### 8.1 Control parameters

#### Control Parameters / Limits for Product

No data available for the product.

### Control Parameters / Limits for Component

#### Eugenol

DNEL Workers, Inhalation, Long exposure, Systemic	36 mg/m <sup>3</sup> .
PNEC Marine Water Sediment	0,0081 mg/kg.
PNEC Fresh Water	0,00113 mg/L.
PNEC Intermittent	0,0113 mg/L.
PNEC Fresh water sediment	0,081 mg/kg.
PNEC Marine water	0,000113 mg/L.
PNEC Soil	0,0155 mg/kg.

#### Cinnamic Aldehyde

DNEL General Population, Inhalation, Long Exposure, Systemic	0,543478261 mg/m <sup>3</sup> .
DNEL General Population, Dermal, Long Exposure, Systemic	0,625 mg/kg.
DNEL General Population, Oral, Long Exposure, Systemic	2,5 mg/kg.
DNEL Workers, Inhalation, Long exposure, Systemic	2,203947368 mg/m <sup>3</sup> .
DNEL Workers, Dermal, Long Exposure, Systemic	2,5125 mg/kg.
PNEC Marine Water Sediment	159,1851438 mg/kg.
PNEC Fresh Water	1,004 mg/L.
PNEC Oral	0,000333333 g/kg.
PNEC Intermittent	1,004 mg/L.
PNEC STP	13,119 mg/L.
PNEC Fresh water sediment	159,1851438 mg/kg.
PNEC Marine water	0,1004 mg/L.
PNEC Soil	56,08472512 mg/kg.

#### Ethanol

STEL	1910 mg/m <sup>3</sup> 1000 ppm
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## 8.2 Exposure controls

### Engineering Measures

Provide adequate general and local exhaust ventilation. Eye wash stations are recommended where this product is stored, handled or used.

### Respiratory Protection

Respiratory protection is required if the concentrations exceed the TLV.

### Eye/Face Protection

Wear safety goggles.

### Skin and Body Protection

Wear appropriate chemical resistant clothing.

### Hand Protection

Ensure gloves are certified.

### Hygiene Measures

Use in accordance with good hygiene and safety practice. Keep away from food or drink. Wash Hands thoroughly after handling.

## 8.3 Environmental exposure controls

Avoid entry of both the product and its packaging to the environment. For additional information see subsection 7.1.

## Section 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Physical State	Liquid
Appearance	Green
Odor	Aromatic
Odor threshold	Not available
pH	6 to 7
Melting point	Not available
Boiling point	Not available
Flash Point	23-60°C / 73.4-140°F dd class="deg-k">296.15-333.15 K
Evaporation rate	Not available
Flammability	Not available
Flammability limit	Not available
Vapor pressure	Not available
Vapor density	Not available
Relative density	0.95 to 0.99 multiplier w/r/t water
Solubility	Not available
Solubility in other solvents	Not available
Partition coefficient	Not available
Auto-ignition temperature	235°C / 455°F
Decomposition temperature	Not available
Viscosity	Not available
Freezing point	Not available
Molecular weight	103.6 g/mol; Average Carbon Number: 5.14
Density	950 to 990 kg/m <sup>3</sup>
VOC content	35.11 %vol 342.53 g/l

## 9.2 Other Information

No available data for this section.

## Section 10. Chemical Stability & Reactivity Information

### 10.1 Reactivity

**Reactivity:** The product is known to be non-reactive in ambient conditions.

### 10.2 Chemical Stability

This product is stable under ambient condition.

### 10.3 Possibility of Hazardous Reactions

Hazardous polymerization will not occur under normal conditions.

### 10.4 Conditions to Avoid

**Keep away from:** Direct sunlight. Heat.

### 10.5 Incompatible Materials

Combustible materials.

### 10.6 Hazardous Decomposition Products

**Decomposition will Result in Production of:** Carbon dioxide (CO<sub>2</sub>). Carbon monoxide (CO). Other organic compounds.

## Section 11. Toxicological Information

### 11.1 Information on toxicological effects

#### Toxicological Information for Product

**Ingestion:** Ingesting considerable doses can cause irritation of the throat, abdominal pain, nausea and vomiting.

**Eyes:** Causes eye irritation.

**Skin:** May cause an allergic skin reaction.

#### Toxicological Information for Component

##### Geraniol

**LD50 Dermal** 5100 mg/kg Rabbit.

**LD50 Oral** 4200 mg/kg Rat.

##### Eugenol

**LD50 Oral** 2300 mg/kg Rat.

##### Cinnamic Aldehyde

**LD50 Dermal** 1100 mg/kg Rat.

**LD50 Oral** 2100 mg/kg Rat.

##### O-tert-butylcyclohexyl acetate

**LD50 Oral** 4600 mg/kg Rat.

##### Ethanol

**LC50 Inhalation** 124.7 mg/l Rat.

**LD50 Dermal** 20000 mg/kg Rabbit.

**LD50 Oral** 6200 mg/kg Rat.

##### Undecan-4-olide

<b>LD50 Oral</b>	18500 mg/kg Rat.
Cinnamionitrile	
<b>LD50 Dermal</b>	1100 mg/kg.
<b>LD50 Oral</b>	100 mg/kg ATE.
Cinnamyl alcohol	
<b>LD50 Oral</b>	2500 mg/kg Rat.
Piperonal	
<b>LD50 Oral</b>	2700 mg/kg Rat.
Ligustral	
<b>LD50 Oral</b>	2500 mg/kg.

### Irritation/Corrosion Information for Product

Product is classified as dangerous for sensitization effects. This product is not classified as an STOT. No component of this product present at levels greater than or equal to 0.1% is identified as a probable, possible, or confirmed CMR chemical.

### Irritation/Corrosion Information for Component

#### Eugenol

**Skin contact:** Skin sensitizer. May cause an allergic skin reaction.

## Section 12. Ecological Information

### 12.1 Toxicity

#### Ecotoxicity Values for Product

No available data for this section.

#### Ecotoxicity Values for Component

##### Eugenol

**LC50 Environmental** 60.8 mg/l Fish - *Oncorhynchus mykiss*.

##### O-tert-butylcyclohexyl acetate

**EC50** 1 to 10 mg/l Crustacean.  
1 to 10 mg/l Algae.

**LC50 Environmental** 1 to 10 mg/l Fish.

##### Ethanol

**EC50** 9268 mg/l (48h) Crustaceans: *Daphnia magna*.  
1450 mg/l Algae: *Microcystis aeruginosa*.

**LC50 Environmental** 11000 mg/l (96h) Fish: *Alburnus alburnus*.

##### Diethyl malonate

**LC50 Environmental** 10.5 mg/l Fish.

##### Undecan-4-olide

**EC50** 10 to 100 mg/l Crustacean.  
10 to 100 mg/l Algae.

**LC50 Environmental** 10 to 100 mg/l Fish.

##### Patchouli ethanone

**EC50** 0.1 to 1 mg/l Crustacean.  
0.1 to 1 mg/l Algae.



<b>LC50 Environmental</b>	0.1 to 1 mg/l Fish.
1,8-Cineole	
<b>EC50</b>	0.1 to 1 mg/l Crustacean. 0.1 to 1 mg/l Algae.
<b>LC50 Environmental</b>	0.1 to 1 mg/l Fish.
Strawberry glycidate	
<b>EC50</b>	52 mg/l Crustacean - Daphnia magna. 36 mg/l Algae - Pseudokirchneriella subcapitata.
<b>LC50 Environmental</b>	4.2 mg/l Fish - Oncorhynchus mykiss.
Ligustral	
<b>EC50</b>	10 to 100 mg/l Crustacean. 10 to 100 mg/l Algae.
<b>LC50 Environmental</b>	10 to 100 mg/l Fish.

## 12.2 Persistence and degradability

No available data for this section.

## 12.3 Bioaccumulative potential

### Bioaccumulative Potential for Product

No available data for this section.

### Bioaccumulative Potential for Component

#### Geraniol

**Potential:** High.

**BCF:** 110.

**LogPow:** 3.56.

#### Eugenol

**Pow Log:** 2.27.

**Potential:** Moderate.

**BCF:** 31.

#### Cinnamic Aldehyde

**Pow Log:** 1.9.

**Potential:** Low.

**BCF:** 8.

## 12.4 Mobility in soil

No available data for this section.

## 12.5 Results of PBT and vPvB assessment

No available data for this section.

## 12.6 Other adverse effects

No available data for this section.

## Section 13. Disposal Considerations

### 13.1 Waste treatment methods

#### Waste Disposal Regulation(s) / Operation

**EU Waste Classification:** HP14 Ecotoxic. HP4 Irritant- skin irritation and eye damage.

Disposal, treatment, or recycling of industrial waste must comply with applicable regulations to preserve the environment. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of national pollutant discharge elimination systems. Users need to pay attention to the possible existence of regional or national regulations regarding disposal. The empty and clean containers may be reused in accordance with the local/national/European legislation in force, or withdrawn for subsequent reevaluation or disposal by incineration by an authorized urban or industrial waste disposal plant, as appropriate, in accordance with the national/European regulations in force. Contaminated empty containers must be managed and removed by authorized hazardous waste collectors, always in accordance with the national/European regulations in force.

### Waste Treatment Methods

No available data for this section.

Section 14. Transportation Information				
	ADR	IMDG	IATA	DOT
14.1 UN number	3082	3082	3082	No available data for this section.
14.2 UN proper shipping name	3082 Environmentally Hazardous Substances, Liquid, N.O.S (Citronelol), 9, III	3082 Environmentally Hazardous Substances, Liquid, N.O.S (Citronelol), 9, III	3082 Environmentally Hazardous Substances, Liquid, N.O.S (Citronelol), 9, III	No available data for this section.
14.3 Transport hazard class(es)	9	9	9	No available data for this section.
14.4 Packing group	III	III	III	No available data for this section.
14.5 Environmental hazards	No available data for this section.	F-A, S-F, Maritime pollutant	No available data for this section.	No available data for this section.
14.6 Special precautions for user	No available data for this section.			
14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	No available data for this section.			
14.8 Other	No available data for this section.			

## Section 15. Regulatory Information

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

#### Safety, Health and Environmental Regulations for Product

**REACH:** No component in this product is subject to any restrictions under REACH.

#### Safety, Health and Environmental Regulations for Component

No available data for this section.

### 15.2 Chemical safety assessment

It is recommended to use the information gathered in this Material Safety Data Sheet as input to a risk assessment of local circumstances in order to establish the necessary measures to prevent risks to the handling, use, storage and disposal of this product.

## Section 16. Other Information

### 16.1 Other Information

The information provided in this Material Safety Data Sheet has been prepared in accordance with Annex II of EC 1907/2006 concerning the REACH Regulation, as amended by EU Regulation 2015/830 and the EC Regulation 1272/2008 (CLP ) on classification, labeling and packaging of hazardous substances and mixtures, and subsequent amendments and updates to date. Minimal training is recommended to understand the contents of this Safety Data Sheet and to safely use this product in the work place.

### 16.2 Disclaimer

The information provided in this Material Safety Data Sheet has been prepared in accordance with Annex II of EC 1907/2006 concerning the REACH Regulation, as amended by EU Regulation 2015/830 and the EC Regulation 1272/2008 (CLP ) on classification, labeling and packaging of hazardous substances and mixtures, and subsequent amendments and updates to date

### 16.3 Glossary

**BCF:** Bio-Concentration Factor.

**CAS:** Chemical Abstracts Service.

**EC 50:** Environmental concentration lethal to 50% of the population.

**LC 50:** Lethal Concentration for 50% of the population.

**LD 50:** Lethal Dose for 50% of the population.

**Log POW:** Octanol/water separation coefficient.

**PBT:** Persistent, Bio-accumulative, Toxic.

**REACH:** Registry, Evaluation and Authorization of Chemicals.

**vPvB:** Very Persistent, Very Bio-accumulative.