

# CARPA DESIGN

## SAFETY DATA SHEET

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

#### 1.1 Product identifier

Product Name: CHP 704 Lollipop Paper Air Freshener, 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

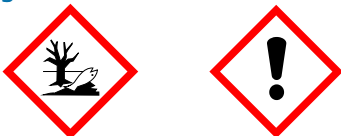
#### 2.1 Classification of the substance or mixture

##### GHS Classification for mixture:

Hazardous to the aquatic environment, long-term (Chronic) - Category 2  
Skin sensitization - Category 1B  
Serious eye damage/eye irritation - Category 2  
Skin corrosion/irritation - Category 2

#### 2.2 Label elements

##### Pictograms:



##### Signal Words:

Warning

##### Hazard Statements:

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:

**Prevention**

P261: Avoid breathing fume, vapors.

P264: Wash exposed areas thoroughly after handling.

P272: Contaminated work clothing should not be allowed out of the workplace.

P273: Avoid release to the environment.

P280: Wear protective gloves, eye protection.

**Response**

P313+P333: If skin irritation or rash occurs: Get medical attention / advice.

P313+P332: If skin irritation occurs: Get medical attention / advice.

P313+P337: If eye irritation persists: Get medical attention / advice.

P321: Specific treatment (see None on this label).

P337: If eye irritation persists: seek medical advice.

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.

P362: Take off contaminated clothing.

P364+P362: Take off contaminated clothing. And wash it before reuse.

P391: Collect spillage.

**Disposal**

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

**2.3 Other hazards**

No available data for this section.

**Section 3. Composition/information on ingredients****3.1 Substances**

No available data for this section.

**3.2 Mixtures**

Identifiers	Ingredients	Percentage	Classification
97-53-0	Eugenol	5% to 10%	
104-55-2	Cinnamaldehyde	5% to 10%	
88-41-5	2-tert-butylcyclohexyl acetate	5% to 10%	
68039-49-6	Dimethyl cyclohexene carboxaldehyde	1% to 5%	
105-53-3	Diethyl malonate	0.5% to 2.5%	
104-67-6	Gamma-undecalactone	0.5% to 2.5%	
1885-38-7	Cinnamyl nitrile	0.5% to 2.5%	
104-54-1	Cinnamyl alcohol	0.5% to 2.5%	
54464-57-2	Octahydro tetramethyl acetone	0.5% to 2.5%	
470-82-6	Eucalptol	0.5% to 2.5%	
87-44-5	beta CARYOPHYLLENE	0.5% to 2.5%	
120-57-0	Heliotropine	0.05% to 0.5%	
77-83-8	Ethyl methylphenylglycidate	0.05% to 0.5%	
659-70-1	3-Methylbutyl 3-methylphenylglycidate	0.05% to 0.5%	

## 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. Remove the contact lenses if worn and easy to do that. Hold eyelids open to ensure adequate flushing. Continue rinsing. Seek medical attention if irritation, redness, or any other symptom develops.

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

If redness or other symptoms occur, seek medical advice / attention. If you feel unwell, call a poison center, doctor, or medical service. Take off all contaminated clothing and wash it before reuse. Wash contaminated areas thoroughly with water. Remove contaminated clothing.

#### In the event of ingestion

DO NOT INDUCE VOMITING. Product has no known ingestion hazards. Rinse the mouth with water. If after ingestion you feel unwell, seek medical advice.

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

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

Treat symptomatically.

## Section 5. Firefighting Measures

### 5.1 Extinguishing media

#### Suitable Extinguishing Media

**The suggested appropriate 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 direct contact with the substance (solid / liquid / vapor). Avoid breathing gas / mist / dust / fume / vapor / spray / particles. 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

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

Not established for the product or its ingredients.

#### Control Parameters / Limits for Component

No available data for this section.

### 8.2 Exposure controls

## Engineering Measures

Provide adequate general and local exhaust ventilation. Eye wash stations should be easily accessible to areas where 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. Wear appropriate chemical resistant gloves.

## 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.

## Section 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Physical State	Solid
Appearance	Paper
Odor	Apple scent
Odor threshold	Not available
pH	Not applicable
Melting point	Not applicable
Boiling point	Not applicable
Flash Point	23-60°C / 73.4-140°F
Evaporation rate w/r/t ether	Not applicable
Evaporation rate w/r/t butyl acetate	Not applicable
Flammability	Solid
Flammability limit	Not available
Vapor pressure	Not available
Vapor density	Not available
Relative density w/r/t water	Not available
Relative density w/r/t air	Not available
Solubility	Not available
Solubility in other solvents	Not available
Partition coefficient	Not available
Auto-ignition temperature	423°C / 793.4°F
Decomposition temperature	Not available
Viscosity	Not available
Freezing point	Not available

## VOC content

Not available

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

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

There are no specific conditions known which have to be avoided.

### 10.5 Incompatible Materials

There are no specific materials known which have to be avoided.

### 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

**Reproductive toxicity:** This product does not contain any components which are considered toxic to reproductivity.

**Eye contact:** Causes irritation.

**Specific Target Organ Toxicity:** This product is not classified as an STOT.

**Skin contact:** Causes irritation. May cause allergic skin reactions.

**Mutagenicity:** This product does not contain any components which are considered mutagenic.

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

No component of this product present at levels greater than or equal to 0.1% is identified as a probable, possible, or confirmed human carcinogen by IARC, OSHA, or the NTP.

#### Toxicological Information for Component

##### Eugenol

**LD 50 Oral** 2300 mg/kg, Rat.

##### 2-tert-butylcyclohexyl acetate

**LD 50 Oral** 4600 mg/kg, Rat.

##### Cinnamyl nitrile

**LD 50 Dermal** 1100 mg/kg.

**LD 50 Oral** 100 mg/kg, Rat.

Cinnamyl alcohol	
LD 50 Oral	2500 mg/kg, Rat.
Cinnamaldehyde	
LD 50 Dermal	1100 mg/kg, Rat.
LD 50 Oral	2100 mg/kg, Rat.
Gamma-undecalactone	
LD 50 Oral	18500 mg/kg, Rat.
Eucalptol	
LD 50 Oral	2480 mg/kg, Rat.
Heliotropine	
LD 50 Oral	2700 mg/kg, Rat.
Dimethyl cyclohexene carboxaldehyde	
LD 50 Oral	2500 mg/kg.

### Irritation/Corrosion Information for Product

No available data for this section.

### Irritation/Corrosion Information for Component

#### Heliotropine

**Skin:** This component is a sensitizer and may cause an allergic reaction.

#### Eucalptol

**Skin:** This component is a sensitizer and may cause an allergic reaction.

#### Eugenol

**Skin:** This component is a sensitizer and may cause an allergic reaction.

#### Cinnamyl nitrile

**Skin:** This component is a sensitizer and may cause an allergic reaction.

#### Cinnamaldehyde

**Skin:** This component is a sensitizer and may cause an allergic reaction.

#### Cinnamyl alcohol

**Skin:** This component is a sensitizer and may cause an allergic reaction.

#### Dimethyl cyclohexene carboxaldehyde

**Skin:** This component is a sensitizer and may cause an allergic reaction.

#### Octahydro tetramethyl acetone

**Skin:** This component is a sensitizer and may cause an allergic reaction.

#### Ethyl methylphenylglycidate

**Skin:** This component is a sensitizer and may cause an allergic reaction.

## Section 12. Ecological Information

### 12.1 Toxicity

#### Ecotoxicity Values for Product

**Ecotoxicity:** No ecotoxicity values specified for product.

#### Ecotoxicity Values for Component

##### 2-tert-butylcyclohexyl acetate

**EC 50 Algae:** 1-10 mg/l.

**LC 50 Fish:** 1-10 mg/l(96h).

**EC 50 Crustacean:** 1-10 mg/l.

##### Gamma-undecalactone

**EC 50 Algae:** 10-100 mg/l.

**LC 50 Fish:** 10-100 mg/l (96h).

EC 50 Crustacean: 10-100 mg/l.

#### Octahydro tetramethyl acetone

EC 50 Algae: 0.1-1 mg/l.

LC 50 Fish: 0.1-10 mg/l(96h).

EC 50 Crustacean: 0.1-1 mg/l.

#### Ethyl methylphenylglycidate

EC 50 Algae: 36 mg/l(72h), Pseudokirchneriella subcapitata.

LC 50 Fish: 4.2 mg/l(96h), Oncorhynchus mykiss.

EC 50 Crustacean: 52 mg/l(48h), Daphnia magna.

#### Dimethyl cyclohexene carboxaldehyde

LC 50 Fish: 10-100 mg/l(96h).

EC 50 Crustacean: 10-100 mg/l.

#### Diethyl malonate

LC 50 Fish: 10.8 mg/l(96h), pimephales promelas.

#### Eugenol

LC 50 Fish: 60.8 mg/l(96h).

## 12.2 Persistence and degradability

No data available.

## 12.3 Bioaccumulative potential

### Bioaccumulative Potential for Product

No available data for this section.

### Bioaccumulative Potential for Component

#### Eugenol

Potential: Moderate.

Log POW: 2.27.

BCF: 31.

#### Cinnamaldehyde

Potential: Low.

Log POW: 1.9.

BCF: 8.

## 12.4 Mobility in soil

Given its low solubility, it is not expected to be mobil in water and soil.

## 12.5 Results of PBT and vPvB assessment

Product does not meet the criteria to be declared PBT or vPvB.

## 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

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. Whenever possible, reuse containers. To do this, rinse container with water and reuse water for another iteration or treat effluent as product residue as indicated in above.

### Waste Treatment Methods

No available data for this section.



## Section 14. Transportation Information

	ADR	IMDG	IATA	DOT
14.1 UN number	3077	3077	3077	No available data for this section.
14.2 UN proper shipping name	Environmentally hazardous substances, Solid N.O.S (2-tert-butylcyclohexyl acetate), 9, GE, III (E)	Environmentally hazardous substances, Solid N.O.S (2-tert-butylcyclohexyl acetate), 9, GE, III (E)	Environmentally hazardous substances, Solid N.O.S (2-tert-butylcyclohexyl acetate), 9, GE, III (E)	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	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

**General:** 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.

**Import-Export regulations:** Neither this product nor it's components are subject to restrictions under import-export regulations.

**Ozone depleting substances:** Neither this product nor it's components are classified as Ozone depleting substances.

**REACH:** Neither this product nor it's components are subject to restrictions under REACH.

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

No available data for this section.

### 15.2 Chemical safety assessment

No available data for this section.

## Section 16. Other Information

### 16.1 Other Information

**Training requirements:** Minimal training is recommended to understand the contents of this Safety Data Sheet and to safely use this product in the work place.

**Regulation standards:** 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.

## 16.2 Disclaimer

No available data for this section.

## 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.