



**ALLYL CYCLOHEXYL  
PROPIONATE**

**BATCH NUMBER 4479102**

**CAS#: 2705-87-5**

**FEMA#: 2026**

**PRODUCT IDENTIFICATION**

PRODUCT NAME	ALLYL CYCLOHEXYL PROPIONATE
MOLECULAR FORM	C <sub>12</sub> H <sub>20</sub> O <sub>2</sub>
MOLECULAR WT	196.29
MELTING POINT (C)	
BOILING POINT (C)	196 deg C
FLASH POINT (F)	223 deg F
SHELF LIFE (DAYS)	730
EXPIRATION DATE	AUGUST 2025

PHYSICAL SPECIFICATIONS	RANGE	RESULTS
APPEARANCE	COLORLESS TO PALE YELLOW OILY LIQUID	CONFORMS
ODOR	SWEET, FRUITY, NATURAL PINEAPPLE LIKE ODOR	CONFORMS
SPECIFIC GRAVITY (25C)	0.9450 to 0.9500	0.9480
REFRACTIVE INDEX (20C)	1.4570 to 1.4620	1.4804
SOLUBILITY	MISCIBLE IN ALCOHOL, CHLOROFORM, ETHER INSOLUBLE IN GLYCERINE, WATER	
		RESULTS
PURITY (BY GC)	99.0% TYPICAL 98.0% MINIMUM	98.99%
		RESULTS
SOLUBILITY IN ALCOHOL	1ML IN 4ML OF 80% ALCOHOL	

**STABILITY**

STABLE UNDER NORMAL CONDITIONS

**STORAGE**

STORE IN COOL DRY PLACE AWAY FROM HEAT AND SUNLIGHT.  
SHELF LIFE CONSIDERATIONS APPLY ONLY FOR ORIGINAL UNOPENED CONTAINERS

**CERTIFICATE OF ANALYSIS**

*Date Revised: 04/12/2020*

## FRAGRANCE ALLERGENS

### ALLYL CYCLOHEXYL PROPIONATE

Contains the following fragrance allergens as detailed in the 7th Amendment to the EU Cosmetic Directive 76/768/EEC:

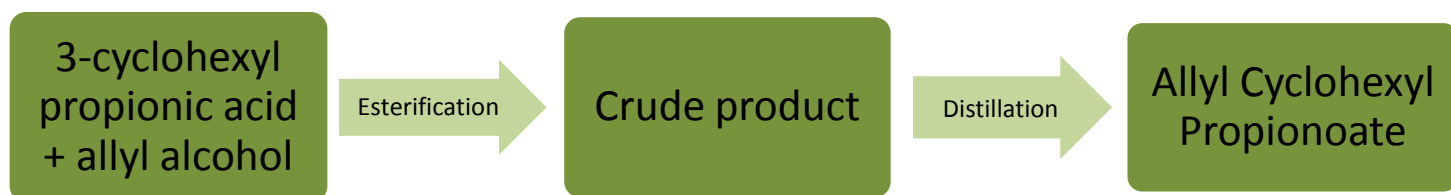
	Allergen	CAS number	Content %
1	Alpha isomethylionone	127-51-5	-
2	Amyl cinnamal	122-40-7	-
3	Amylcinnamyl alcohol	101-85-9	-
4	Anisyl alcohol	105-13-5	-
5	Benzyl alcohol	100-51-6	-
6	Benzyl benzoate	120-51-4	-
7	Benzyl cinnamate	103-41-3	-
8	Benzyl salicylate	118-58-1	-
9	Butylphenyl methylpropional (Lilial)	80-54-6	-
10	Cinnamal	104-55-2	-
11	Cinnamyl alcohol	104-54-1	-
12	Citral	5392-40-5	-
13	Citronellol	106-22-9	-
14	Coumarin	91-64-5	-
15	Eugenol	97-53-0	-
16	Farnesol	4602-84-0	-
17	Geraniol	106-24-1	-
18	Hexyl cinnamal	101-86-0	-
19	Hydroxycitronellal	107-75-5	-
20	Hydroxyisohexyl 3-cyclohexene carboxaldehyde (Lyrall)	31906-04-4	-
21	Isoeugenol	97-54-1	-
22	Limonene	5989-27-5	-
23	Linalool	78-70-6	-
24	Methyl 2-octynoate	111-12-6	-
25	Evernia furfuracea (Treemoss) extract	90028-67-4	-
26	Evernia prunastri (Oakmoss) extract	90028-68-55	-

(All absent)



## PROCESS FLOW CHART

### ALLYL CYCLOHEXYL PROPIONOATE



Madar Corporation Limited hereby certifies that the products has no added antioxidants, diluents, colorants or preservatives, nor are any solvents used in the extraction process.



## GMO CERTIFICATE

Madar Corporation Limited hereby certifies that:

### ALLYL CYCLOHEXYL PROPIONATE

to the best of its knowledge does not derive from a genetically modified source (GMO) as specified in Regulation (EC) No 1829/2003 nor have GMO materials been used in its manufacture or as additives.

## IFRA CERTIFICATE

### ALLYL CYCLOHEXYL PROPIONATE

Madar Corporation Limited hereby certifies that the above material complies with the requirements of the INTERNATIONAL FRAGRANCE ASSOCIATION - IFRA-48th Amendment / published June 10th 2015) provided it is used in following application (class) at a maximum concentration level of:

IFRA category	Maximum level of use (%)
Class 1	Not restricted
Class 2	Not restricted
Class 3A	Not restricted
Class 3B	Not restricted
Class 3C	Not restricted
Class 3D	Not restricted
Class 4A	Not restricted
Class 4B	Not restricted
Class 4C	Not restricted
Class 4D	Not restricted
Class 5	Not restricted
Class 6	Not restricted
Class 7A	Not restricted
Class 7B	Not restricted
Class 8A	Not restricted
Class 8B	Not restricted
Class 9A	Not restricted
Class 9B	Not restricted
Class 9C	Not restricted
Class 10A	Not restricted
Class 10B	Not restricted
Class 11	Not restricted

The above values were calculated based on the following IFRA restricted materials: <none contained>

The IFRA Standards regarding use restrictions are based on safety assessments by the Panel of Experts of the RESEARCH INSTITUTE FOR FRAGRANCE MATERIALS (RIFM) and are enforced by the IFRA Scientific Committee.

It is the ultimate responsibility of our customer to ensure the safety of the final product by further testing if need be. Evaluation of the Fragrance ingredient was made according to the safety requirements contained in the relevant section of the IFRA Code of Practice.

IFRA category includes	IFRA category
Toys (****)	Class 1A
Insect Repellent intended to be applied on the skin	Class 1B
Lip Products of all types (solid and liquid lipsticks, balms, clear or coloured etc...)(****)	Class 2
Deodorant and Antiperspirant products of all types (spray, stick, roll-on, under-arm and body etc...)	Class 3A
Hydroalcoholic products applied to recently shaved skin (EdT range)	Class 3B
Hydroalcoholic products applied to recently shaved skin (fine fragrance range)	Class 3C
Eye Products of all types (eye shadow, mascara, eyeliner, eye make-up, etc...)	Class 3D
Men's Facial Creams, Balms, Wipes, Refreshing Tissues	Class 4A
Tampons	Class 4B
Hydroalcoholic Products applied to unshaved skin (EdT range)	Class 4C
Ingredients of Perfume Kits, Scent Strips for Hydroalcoholic Products, "scratch and sniff", other paper products	Class 4D
Hydroalcoholic Products applied to unshaved skin, Fine Fragrance range	Class 5A
Hair Styling Aids Sprays of all types (pumps, aerosol sprays, etc...). Hair Deodorant	Class 6
Body Creams, Oils, Lotions of all types (including baby creams, lotions, oils)	Class 7
Fragrance Compounds for Cosmetic Kits, Foot Care Products	Class 8
Fragrancing Creams of all types	Class 9A
Women's Facial Creams/Facial Make-up/Facial Wipes. Facial Masks, Hand Cream	Class 9B
Mouthwash, Toothpaste (****)	Class 9C
Intimate Wipes, Baby Wipes	Class 10A
Make-up Removers of all types (not including face cleansers)	Class 10B
Hair Styling Aids Non-Spray of all types (mousse, gels, leave-in conditioners etc...)	Class 11A
Nail Care, all Powders & Talcs (including baby powders and talcs)	Class 11B
Liquid Soap, Bar Soap (toilet soap), Depilatory,	
Conditioner (rinse-off), Shampoos of all types (including baby shampoos)	
Face Cleansers of all types (washes, gels, scrubs, etc...) Shaving Creams of all types (stick, gels, foams, etc...)	
Body Washes of all types (including baby washes) and Shower Gels of all types	
Bath Gels, Foams, Mousses, Salts, Oils and other products added to bathwater	
Feminine pads/Liners	
Aerosols (including air fresheners sprays but not including deodorant/antiperspirants, hair styling aids spray)	
Hand wash/Machine Wash Laundry Detergents of all types (liquid, powder, tablet, etc...) including Laundry Bleaches	
Other Household Cleaning Products (fabric cleaners, soft surface cleaners, carpet cleaners etc...), Dry Cleaning Kits	
Fabric Softeners of all types including softener sheets. Hand Dishwashing Detergent.	
Hard Surface Cleaners of all types (bathroom and kitchen cleansers, furniture polish etc...), Shampoos for pets	
Diapers	
All non-skin contact, including:	
Air Fresheners and fragrancing of all types (excluding aerosol products): plug-ins, solid substrate, membrane delivery; Toilet blocks; Joss Sticks, Incense; Insecticides (mosquito coil, paper, electrical, etc...excluding aerosols); Plastic articles (excluding toys); Candles; Fuels; Paints.	
All incidental skin contact, including:	
Machine Dish wash Detergents and Deodorizers. Machine only Laundry Detergents (e.g. liquid tabs)	
Deodorizers/Maskers (e.g. fabric drying machine deodorizers, carpet powder)	
Pot pourri, fragrancing sachets, liquid refills for air fresheners, etc...	
Shoe polishes; Cat Litter; Animal Sprays (excluding aerosols); Treated Textiles; Odoured Distilled Water	

(\*\*\*\*) Fragrance materials for use in these applications need also FEMA-GRAS conformity.

Date of issue: 21/03/2017

This safety data sheet complies with the requirements of:  
Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

**Product name** ALLYL CYCLOHEXYL PROPIONATE

**Issue date** 24-Jun-2016

**Revision date** 29-May-2019

**Version** 5

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product Identifier

**Product code** ALL0005  
**Product name** ALLYL CYCLOHEXYL PROPIONATE

**REACH registration number** 01-2119976355-27-0002  
**EC No.** 220-292-5  
**CAS No** 2705-87-5  
**Chemical Name** 2-propen-1-yl cyclohexane propionate  
**Pure substance/mixture** Substance  
Contains Allyl Cyclohexylpropionate  
**Formula** C12H20O2  
**Molecular weight** 196.29

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

**Sold to the general public?** No  
**Recommended Use** Industry Use

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

#### Supplier

Phoenix Aromas Europe Ltd.  
Unit 2A Wyncolls Road  
Severalls Business Park  
Colchester, Essex  
CO4 9HU  
Tel: (+44) 208 532 1022

For further information, please contact

**Contact Point** Fred Wise  
**E-mail address** fwise@phoenixaromas.com

### 1.4. Emergency telephone number

**Emergency telephone** CHEMTREC

**Emergency telephone - +1-703-741-5970**

**Europe** CCN# 17256

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

<b>Acute toxicity - Oral</b>	Category 4 - (H302)
<b>Acute toxicity - Dermal</b>	Category 4 - (H312)
<b>Acute toxicity - Inhalation (Vapors)</b>	Category 4 - (H332)
<b>Skin sensitization</b>	Category 1 - (H317)

Acute aquatic toxicity	Category 1 - (H400)
Chronic aquatic toxicity	Category 1 - (H410)

**2.2. Label Elements****Product identifier**

Contains Allyl Cyclohexylpropionate

**Signal word**

Warning

**Hazard statements**

H302 - Harmful if swallowed

H312 - Harmful in contact with skin

H317 - May cause an allergic skin reaction

H332 - Harmful if inhaled

H410 - Very toxic to aquatic life with long lasting effects

**Precautionary Statements**

P280 - Wear protective gloves/protective clothing/eye protection/face protection

P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician

P331 - Do NOT induce vomiting

P302 + P352 - IF ON SKIN: Wash with plenty of soap and water

P311 - Call a POISON CENTER or doctor/physician

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

P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

P311 - Call a POISON CENTER or doctor/physician

P273 - Avoid release to the environment

P501 - Dispose of contents/ container to an approved waste disposal plant

**2.3. Other Hazards****SECTION 3: Composition/information on ingredients****3.1 Substances****Chemical nature**

Aliphatic ester.

Chemical Name	EC No.	CAS No.	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH registration number
Allyl Cyclohexylpropionate	Present	2705-87-5	99.9	Skin Sens. 1 (H317) (EFAA) Acute Tox. 4 (H302) (EFAA) Acute Tox. 4 (H312)(EFAA) Acute Tox. 4 (H332) (EFAA) Aquatic Chronic 1 (H410) (EFAA) Aquatic Acute 1 (H400) (EFAA)	No data available
Cyclohexene, 1-propyl - indirect synthetic impurity	-	2539-75-5	0.01 - <0.1	No data available	No data available
Allyl alcohol - indirect synthetic impurity	Present	107-18-6	<0.01	Acute Tox. 3 (H301) Aquatic Acute 1	No data available



				(H400) (EFFA) Eye Irrit. 1 (H319) (EFFA) Skin Irrit. 2 (315) (EFFA) Acute Tox. 3 (H301) (EFFA) Flam. Liq. 2 (H225) (EFFA) Acute Tox. 3 (H311)(EFFA) Acute Tox. 3 (H331)(EFFA) Acute Tox. 3 (H311) Acute Tox. 3 (H331) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) STOT SE 3 (H335) Aquatic Acute 1 (H400) Flam. Liq. 2 (H225)	
Ethylcyclohexene - indirect synthetic impurity	Present	1453-24-3	<0.01	No data available	No data available
Dodecenyl acetate - indirect synthetic impurity	Present	16676-96-3	<0.01	No data available	No data available

Full text of H- and EUH-phrases: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

<b>Inhalation</b>	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a physician or poison control center immediately.
<b>Skin contact</b>	IF ON SKIN: Wash with plenty of soap and water. Wash contaminated clothing before reuse. Call a POISON CENTER or doctor if you feel unwell.
<b>Eye Contact</b>	Rinse thoroughly with plenty of water, also under the eyelids. Keep eye wide open while rinsing. Do not rub affected area. If eye irritation persists: Get medical advice/attention.
<b>Ingestion</b>	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Rinse mouth. Drink 1 or 2 glasses of water.

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

<b>Symptoms</b>	Drowsiness. Dizziness. Redness / rash on skin.
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### 4.3. Indication of any immediate medical attention and special treatment needed

<b>Note to physicians</b>	Treat symptomatically.
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## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable Extinguishing Media

Dry chemical, CO<sub>2</sub>, water spray or alcohol-resistant foam

#### Unsuitable extinguishing media

Do not use a solid water stream as it may scatter and spread fire

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

Thermal decomposition can lead to release of irritating and toxic gases and vapors

**Hazardous combustion products** Irritating or toxic substances may be emitted upon burning, combustion, or decomposition.

### 5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective suit. Use personal protective equipment as required.

## **SECTION 6: Accidental release measures**

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

#### **Personal precautions**

Use personal protection recommended in Section 8. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation, especially in confined areas. Stop leak if you can do it without risk.

#### **For emergency responders**

Use personal protection recommended in Section 8.

### 6.2. Environmental precautions

See Section 12 for additional Ecological Information. Do not flush into surface water or sanitary sewer system. Prevent product from entering drains.

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

#### **Methods for Containment**

Prevent further leakage or spillage if safe to do so. Cover with DRY earth, DRY sand or other non-combustible material followed with plastic sheet to minimize spreading or contact with rain.

#### **Methods for cleaning up**

Use personal protective equipment as required. Dam up. Cover liquid spill with sand, earth or other non-combustible absorbent material. Take up mechanically, placing in appropriate containers for disposal. Clean contaminated surface thoroughly.

### 6.4. Reference to other sections

See Section 12: ECOLOGICAL INFORMATION.

## **SECTION 7: Handling and storage**

### 7.1. Precautions for safe handling

#### **Advice on safe handling**

Avoid contact with skin, eyes or clothing. Use personal protection recommended in Section 8. Ensure adequate ventilation, especially in confined areas.

#### **General hygiene considerations**

Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Wash contaminated clothing before reuse. Wash hands thoroughly after handling.

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

#### **Storage Conditions**

Protect from direct sunlight. Keep containers tightly closed in a dry, cool and well-ventilated place.

### 7.3. Specific end use(s)

#### **Risk Management Methods (RMM)**

The information required is contained in this Material Safety Data Sheet.

## **SECTION 8: Exposure controls/personal protection**

**8.1. Control parameters**

Chemical Name	European Union	United Kingdom	France	Spain	Germany
Allyl alcohol - indirect synthetic impurity 107-18-6	S* TWA 2 ppm TWA 4.8 mg/m <sup>3</sup> STEL 5 ppm STEL 12.1 mg/m <sup>3</sup>	STEL: 4 ppm STEL: 9.7 mg/m <sup>3</sup> TWA: 2 ppm TWA: 4.8 mg/m <sup>3</sup> Skin	TWA: 0.2 ppm TWA: 0.48 mg/m <sup>3</sup> STEL: 2 ppm STEL: 4.8 mg/m <sup>3</sup>	S* STEL: 5 ppm STEL: 12 mg/m <sup>3</sup> TWA: 2 ppm TWA: 5 mg/m <sup>3</sup>	Skin TWA: 2 ppm TWA: 4.8 mg/m <sup>3</sup>
Ethylcyclohexene - indirect synthetic impurity 1453-24-3	-	-	TWA: 1000 mg/m <sup>3</sup> STEL: 1500 mg/m <sup>3</sup>	-	-
Chemical Name	Italy	Portugal	Netherlands	Finland	Denmark
Allyl alcohol - indirect synthetic impurity 107-18-6	TWA: 2 ppm TWA: 4.8 mg/m <sup>3</sup> STEL: 5 ppm STEL: 12.1 mg/m <sup>3</sup> Skin	STEL: 5 ppm STEL: 21.1 mg/m <sup>3</sup> TWA: 2 ppm TWA: 4.8 mg/m <sup>3</sup>	Skin STEL: 12.1 mg/m <sup>3</sup> TWA: 4.8 mg/m <sup>3</sup>	TWA: 0.5 ppm TWA: 1.2 mg/m <sup>3</sup> STEL: 2 ppm STEL: 4.8 mg/m <sup>3</sup> Skin	TWA: 2 ppm TWA: 4.8 mg/m <sup>3</sup> Skin
Chemical Name	Austria	Switzerland	Poland	Norway	Ireland
Allyl alcohol - indirect synthetic impurity 107-18-6	Skin STEL 5 ppm STEL 12 mg/m <sup>3</sup> TWA: 2 ppm TWA: 4.8 mg/m <sup>3</sup>	Skin STEL: 4 ppm STEL: 10 mg/m <sup>3</sup> TWA: 2 ppm TWA: 5 mg/m <sup>3</sup>	STEL: 10 mg/m <sup>3</sup> TWA: 2 mg/m <sup>3</sup>	TWA: 2 ppm TWA: 5 mg/m <sup>3</sup> Skin STEL: 4 ppm STEL: 10 mg/m <sup>3</sup>	TWA: 2 ppm TWA: 4.8 mg/m <sup>3</sup> STEL: 5 ppm STEL: 12.1 mg/m <sup>3</sup> Skin

**Derived No Effect Level (DNEL)****Workers**

dermal 4.3 mg/kg bw/day

Inhalation 15 mg/m<sup>3</sup>

**Derived No Effect Level (DNEL)****General Population**

oral 2.1 mg/kg bw/day

dermal 2.1 mg/kg bw/day

Inhalation 3.7 mg/m<sup>3</sup>

**Predicted No Effect Concentration (PNEC)**

Fresh Water 0.13 µg/L

Sea Water 0.013 µg/L

Sea sediment 2.413 µg/kg sediment dw

Soil 4.75 µg/kg soil dw

Impact on Sewage Treatment 0.2 mg/L

**8.2. Exposure controls****Engineering controls**

Showers  
Eyewash stations  
Ventilation systems  
Ensure adequate ventilation, especially in confined areas

**Personal Protective Equipment****Eye/Face Protection**

Wear safety glasses with side shields (or goggles).

**Hand protection**

Wear protective nitrile rubber gloves.

**Skin and Body Protection**

Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

**Respiratory protection**

In case of insufficient ventilation, wear suitable respiratory equipment.

**Environmental exposure controls** Prevent product from entering drains.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

<b>Physical state</b>	Liquid		
<b>Appearance</b>	Clear	<b>Odor</b>	Characteristic Odor
<b>Color</b>	Colorless to Pale Yellow	<b>Odor threshold</b>	Not applicable

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>pH</b>		
<b>Melting point / freezing point</b>	< -20 °C / -4 °F	
<b>Boiling point / boiling range</b>	266 °C / 511 °F	
<b>Flash Point</b>	106 °C / 223 °F	
<b>Evaporation Rate</b>		
<b>Flammability (solid, gas)</b>		
<b>Flammability Limit in Air</b>		
<b>Upper flammability limit:</b>		
<b>Lower flammability limit:</b>		
<b>Vapor pressure</b>	0.0038kPa	(25°C)
<b>Vapor Density</b>		
<b>Specific gravity</b>	0.945 - 0.950	(25°C)
<b>Water solubility</b>	16.5 mg/L	(20°C)
<b>solubility(ies)</b>		
<b>Partition coefficient</b>	Log Kow (Log Pow) - 4.276	(20°C)
<b>Autoignition Temperature</b>	246 °C / 475 °F	(101.3kPa)
<b>Decomposition temperature</b>		
<b>Kinematic viscosity</b>		
<b>Dynamic viscosity</b>	2.81 mPa s	(20°C)
<b>Explosive properties</b>	Not an explosive	
<b>Oxidizing properties</b>	Not oxidising	

### 9.2. Other information

<b>Molecular weight</b>	196.29
<b>VOC content (%)</b>	0.006
<b>Density</b>	Not applicable
<b>Bulk Density</b>	Not applicable

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

### 10.2. Chemical stability

Stable under recommended storage conditions.

#### Explosion data

Sensitivity to Mechanical Impact	None.
Sensitivity to Static Discharge	None.

### 10.3. Possibility of hazardous reactions

#### **Possibility of Hazardous Reactions**

None under normal processing.

### 10.4. Conditions to avoid

Extremes of temperature and direct sunlight.

### 10.5. Incompatible materials

No information available.

**10.6. Hazardous decomposition products**

None under normal use conditions.

**SECTION 11: Toxicological information****11.1. Information on toxicological effects****Acute toxicity****Product Information**

<b>Inhalation</b>	Avoid breathing vapors or mists. Harmful if inhaled.
<b>Eye Contact</b>	Avoid contact with eyes.
<b>Skin contact</b>	Avoid contact with skin. Harmful in contact with skin. May cause an allergic skin reaction.
<b>Ingestion</b>	Harmful if swallowed.

**Unknown acute toxicity**

0.066 % of the mixture consists of ingredient(s) of unknown acute oral toxicity.

0.066 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity.

0.066 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Allyl Cyclohexylpropionate	585 mg/kg (Rat)	1,600 mg/kg (Rabbit)	0.297 mg/L (Rat)
Allyl alcohol - indirect synthetic impurity	= 64 mg/kg ( Rat )	= 45 mg/kg ( Rabbit )	= 0.391 mg/L ( Rat ) 4 h

<b>Skin corrosion/irritation</b>	Not expected to cause skin irritation.
<b>Serious eye damage/eye irritation</b>	Not classified.
<b>Sensitization</b>	May cause sensitization by skin contact.
<b>Germ cell mutagenicity</b>	Not classified.
<b>Carcinogenicity</b>	None known.
<b>Reproductive toxicity</b>	This product does not contain any known or suspected reproductive hazards above the threshold value.
<b>STOT - single exposure</b>	Not classified.
<b>STOT - repeated exposure</b>	Not classified.
<b>Aspiration hazard</b>	Not classified.

**SECTION 12: Ecological information****12.1. Toxicity**

Very toxic to aquatic life with long lasting effects

0.094 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

Chemical Name	Crustacea	Algae/aquatic plants	Fish
Allyl Cyclohexylpropionate	48hr EC50 - 3.8 mg/L (Daphnia magna)	72 hr EC50 - 3 mg/L, EC10 / NOEC - 1.6 mg/L (Pseudokirchneriella)	96hr LC50 - 0.13mg/L (Pimephales promelas)

		subcapitata)	
Allyl alcohol - indirect synthetic impurity	0.25: 96 h Daphnia magna mg/L EC50		0.32: 96 h Pimephales promelas mg/L LC50 static 0.28 - 0.37: 96 h Pimephales promelas mg/L LC50 flow-through

**12.2. Persistence and degradability**

Readily biodegradable.

**12.3. Bioaccumulative potential**

Low potential for bioaccumulation.

**Bioconcentration factor (BCF)** 861 L/kg

Chemical Name	Partition coefficient
Allyl alcohol - indirect synthetic impurity	0.17

**12.4. Mobility in soil****Mobility in soil**

log K<sub>oc</sub> = 3.26

**12.5. Results of PBT and vPvB assessment**

This substance is not considered to be persistent, bioaccumulating nor toxic (PBT).

**12.6. Other adverse effects**

No information available

## SECTION 13: Disposal considerations

**13.1. Waste treatment methods****Waste from Residues/Unused Products**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated packaging**

Do not reuse container. Improper disposal or reuse of this container may be dangerous and illegal.

## SECTION 14: Transport information

**IMDG**

14.1 UN/ID no	3082
14.2 Proper Shipping Name	Environmentally Hazardous Substance, liquid n.o.s.
14.3 Hazard Class	9
14.4 Packing group	III
14.5 Marine pollutant	This product is listed as a marine pollutant according to IMDG/IMO
Environmental hazard	Yes
14.6 Special Provisions	274, 335, 969
EmS-No	F-A, S-F
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	IBC02

**RID**

14.1 UN/ID no	3082
14.2 Proper Shipping Name	Environmentally Hazardous Substance, liquid n.o.s.

14.3 Hazard Class	9
14.4 Packing group	III
14.5 Environmental hazard	Yes
14.6 Special Provisions	None

**ADR**

14.1 UN/ID no	3082
14.2 Proper Shipping Name	Environmentally Hazardous Substance, liquid n.o.s.
14.3 Hazard Class	9
Labels	9, Marine Pollutant
14.4 Packing group	III
14.5 Environmental hazard	Yes
14.6 Special Provisions	274, 335, 375, 601
Classification code	M6
Tunnel restriction code	(-)

**ICAO (air)**

14.1 UN/ID no	3082
14.2 Proper Shipping Name	Environmentally Hazardous Substance, liquid n.o.s.
14.3 Hazard Class	9
14.4 Packing group	III
14.5 Environmental hazard	Yes
14.6 Special Provisions	None

**IATA**

14.1 UN/ID no	3082
14.2 Proper Shipping Name	Environmentally Hazardous Substance, liquid n.o.s.
14.3 Hazard Class	9
14.4 Packing group	III
14.5 Environmental hazard	Yes
14.6 Special Provisions	A97, A158, A197
ERG Code	9L

## SECTION 15: Regulatory information

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

Chemical Name	French RG number	Title
Allyl alcohol - indirect synthetic impurity 107-18-6	RG 84	-

**European Union**

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

**Authorization and/or restrictions on use:**

This product does not contain substances subject to authorization (Regulation (EC) No. 1907/2006 (REACH), Annex XIV) This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

**Persistent Organic Pollutants**

Not applicable

**Ozone-depleting substances (ODS) regulation (EC) 1005/2009** Not applicable

**15.2. Chemical safety assessment**

No information available

## SECTION 16: Other information

**Full text of H-Statements referred to under section 3**

H225 - Highly flammable liquid and vapor  
H301 - Toxic if swallowed  
H302 - Harmful if swallowed  
H311 - Toxic in contact with skin  
H312 - Harmful in contact with skin  
H315 - Causes skin irritation  
H317 - May cause an allergic skin reaction  
H319 - Causes serious eye irritation  
H331 - Toxic if inhaled  
H332 - Harmful if inhaled  
H335 - May cause respiratory irritation  
H400 - Very toxic to aquatic life  
H410 - Very toxic to aquatic life with long lasting effects

<b>Issue date</b>	24-Jun-2016
<b>Revision date</b>	29-May-2019
<b>Revision note</b>	Not applicable.

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

**Disclaimer**

This material has not been tested or proven safe for inhalation. With this document, Phoenix Aromas & Essential Oils LLC only attests to the safety of the product when used in the appropriate and suitable fragrance/flavor industry application.

Classification and labeling according to the IFRA/IOFI Labeling Manual 2018. The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet





## VEGAN / VEGETARIAN DECLARATION

Madar Corporation Limited hereby certifies that:

### ALLYL CYCLOHEXYL PROPIONATE

to the best of our knowledge is suitable for both vegan and vegetarian diets.