

# SAFETY DATA SHEET

(according to Regulation (EC) N° 1907/2006 and its modifications)

## MENTHE CITRONNEE

Version n° : v8-CLP  
Date revised : 19/08/2021

### 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING.

#### 1.1. Product identifier.

Product name : **MENTHE CITRONNEE**

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

Raw material for industrial use : fragrance composition (perfume)

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

Company : LAB SAS  
Address : 1 rue de la clef des champs  
Town : 68600 Volgelsheim  
Country : France  
Phone N° : +33 (0)3 89 22 77 65  
Email : [office@labsys.fr](mailto:office@labsys.fr)

#### 1.4. Emergency telephone number.

ORFILA : +33 (0)1 45 42 59 59 (24h/24 7d/7)

### 2. HAZARDS IDENTIFICATION.

#### 2.1. Classification of the substance or mixture.

Classification according to Regulation (EC) N° 1272/2008

Class/Cat. of danger	Phrases of Hazard	Codes of danger	Mentions of Hazard
Skin Irrit. 2	Skin corrosion/ Irritation cat. 2	H315	Causes skin irritation.
Skin Sens. 1B	Skin Sensitization cat. 1B	H317	May cause an allergic skin reaction.
Repr. 2	Reproductive toxicity cat. 2	H361	Suspected of damaging fertility or the unborn child <state specific effect if known> <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.
Aquatic Chronic 3	Chronic Aquatic toxicity cat. 3	H412	Harmful to aquatic life with long lasting effects.

#### 2.2. Label elements.

Labelling according to Regulation (EC) N° 1272/2008



Signal word : Danger

Codes of danger	Mentions of Hazard
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.

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H361	Suspected of damaging fertility or the unborn child <state specific effect if known> <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.
H412	Harmful to aquatic life with long lasting effects.

Type	Code	Precautionary
P	P264	Wash hands thoroughly after handling.
P	P272	Contaminated work clothing should not be allowed out of the workplace.
P	P273	Avoid release to the environment.
P	P280	Wear protective gloves/protective clothing/eye protection/face protection.
I	P302+P352	If on skin: Wash with plenty of water/...
I	P308+P313	If exposed or concerned: Get medical advice/attention.
I	P332+P313	If skin irritation occurs: Get medical advice/attention.
I	P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
I	P362+P364	Take off contaminated clothing and wash it before reuse.
S	P405	Store locked up.
E	P501	Dispose of contents/container to ... (... in accordance with local/regional/national or international regulation)

*P* : Prevention   *I* : Intervention   *S* : Storage   *E* : Elimination

Substances involving one classification
carvone
citral
citronellal
alpha-methyl-3,4-methylene-dioxyhydrocinnamic aldehyde (mmdhca)
beta-caryophyllene
pinenes (alpha+beta)
linalool
trans-2-hexenal
d,l-isomenthone
eucalyptol
beta-pinene
menthone
d-limonene (r)-p-mentha-1,8-diene
2,4-dimethyl-3-cyclohexen-1-carboxaldehyde
dl-citronellol
geraniol
cis-3-hexenyl methyl carbonate
3-(p-isopropylphenyl)propionaldehyde (cyclemax)
alpha,alpha-dimethyl-p-ethylphenylpropanal (component 1 - floralozone)
beta-methyl-benzenepentanal (3-methyl-5-phenylpentan-1-al)
2,6,10-trimethyl-9-undecenal
2,6-dimethyl-5-heptenal

### 2.3. Other hazards.

None.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS.

Dosage	Substances	CAS N°	EINECS N°/ ELINCS N°	REACH N°	Classification Regulatory (EC) 1272 /2008
8,50%	carvone	99-49-0	202-759-5	----	Skin Sens. 1B, H317;

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5,32%	citral	5392-40-5	226-394-6	01-2119462829-23-xxxx	Skin Sens. 1, H317; Skin Irrit. 2, H315; Eye Irrit. 2, H319;
3,00%	2-tert-butylcyclohexyl acetate	88-41-5	201-828-7	01-2119970713-33-xxxx	Aquatic Chronic 2, H411;
3,00%	alpha-methyl-3,4-methylene-dioxyhydrocinnamic aldehyde (mmdhca)	1205-17-0	214-881-6	01-2120740119-58-xxxx	Skin Sens. 1B, H317; Repr. 2, H361; Aquatic Chronic 2, H411;
2,94%	cis-3-hexenyl salicylate	65405-77-8	265-745-8	01-2119987320-37-xxxx	Aquatic Acute 1, H400;
2,00%	6,6-dimethoxy-2,5,5-trimethylhex-2-ene (amarocit)	67674-46-8	266-885-2	01-2120741268-52-xxxx	Skin Irrit. 2, H315; Aquatic Chronic 3, H412;
1,93%	d-limonene (r)-p-mentha-1,8-diene	5989-27-5	227-813-5	----	Skin Sens. 1B, H317; Skin Irrit. 2, H315; Flam. Liq. 3, H226; Aquatic Chronic 3, H412; Aquatic Acute 1, H400; Asp. Tox. 1, H304;

1,50%	2,4-dimethyl-3-cyclohexen-1-carboxaldehyde  (Reaction mass of 2,4-dimethylcyclohex-3-ene-1-carbaldehyde and 3,5-dimethylcyclohex-3-ene-1-carbaldehyde )	68039-49-6  (EC-List : 943-728-2)	----	01-2119982384-28-xxxx	Skin Irrit. 2, H315; Aquatic Chronic 2, H411; Skin Sens. 1B, H317;
1,36%	l-menthol	2216-51-5	218-690-9	01-2119458866-21-xxxx	Skin Irrit. 2, H315; Eye Irrit. 2, H319;
1,00%	2-sec-butylcyclohexanone	14765-30-1	238-830-2	01-2120756700-57-xxxx	Skin Irrit. 2, H315;
1,00%	terpineol	8000-41-7	232-268-1	01-2119553062-49-xxxx	Skin Irrit. 2, H315; Eye Irrit. 2, H319;
1,00%	4-methyl-3-decen-5-ol	81782-77-6	279-815-0	01-2119983528-21-xxxx	Aquatic Chronic 2, H411; Aquatic Acute 1, H400;
0,80%	menthone	10458-14-7	233-944-9	----	Aquatic Chronic 3, H412; Skin Sens. 1B, H317; Skin Irrit. 2, H315; Acute Tox. 4, H302;
0,50%	cis-3-hexenyl methyl carbonate	67633-96-9	266-797-4	01-2120735800-60-xxxx	Skin Sens. 1B, H317; Skin Irrit. 2, H315;
0,50%	3-(p-isopropylphenyl)propionaldehyde (cyclemax)	7775-00-0	231-885-3	01-2120758797-32-xxxx	Skin Sens. 1B, H317; Aquatic Acute 1, H400; Skin Irrit. 2, H315;
0,32%	d,l-isomenthone  (Reaction mass of isomenthone and trans-menthone)	491-07-6  (EC-List : 905-013-3)	----	01-2119983786-15-xxxx	Skin Sens. 1B, H317; Skin Irrit. 2, H315;
0,30%	alpha,alpha-dimethyl-p-ethylphenylpropanal (component 1 - floralozone)  (Reaction mass of Benzenepropanal, 4-ethyl-a,a-dimethyl- and 3-(2-ethylphenyl)-2,2-dimethylpropanal)	67634-15-5  (EC-List : 916-329-6)	----	01-2120758796-34-xxxx	Aquatic Chronic 2, H411; Skin Irrit. 2, H315; Aquatic Acute 1, H400; Skin Sens. 1B, H317;
0,30%	octanal	124-13-0	204-683-8	01-2219638274-38-xxxx	Skin Irrit. 2, H315; Flam. Liq. 3, H226; Aquatic Chronic 2, H411; Eye Irrit. 2, H319;
0,25%	alpha-pinene	80-56-8	201-291-9	01-2119519223-49-xxxx	Aquatic Chronic 1, H410; Aquatic Acute 1, H400; Skin Sens. 1B, H317; Skin Irrit. 2, H315; Flam. Liq. 3, H226; Acute Tox. 4, H302; Asp. Tox. 1, H304;
0,25%	linalool	78-70-6	201-134-4	01-2119474016-42-xxxx	Skin Sens. 1B, H317; Skin Irrit. 2, H315; Eye Irrit. 2, H319;
0,22%	eucalyptol	470-82-6	207-431-5	01-2119967772-24-xxxx	Skin Sens. 1B, H317; Flam. Liq. 3, H226;
0,20%	5-methyl-3-heptanone oxime	22457-23-4	245-010-8	01-2120747610-59-xxxx	Aquatic Chronic 3, H412;

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0,20%	allyl hexanoate (allyl caproate)	123-68-2	204-642-4	01-2119983573-26-xxxx	Aquatic Chronic 3, H412; Acute Tox. 3, H331; Aquatic Acute 1, H400; Acute Tox. 3, H301; Acute Tox. 3, H311;
0,20%	beta-methyl-benzenepentanal (3-methyl-5-phenylpentan-1-al)	55066-49-4	433-900-0	01-0000018005-80-xxxx	Skin Sens. 1, H317; Skin Irrit. 2, H315; Aquatic Chronic 2, H411; Acute Tox. 4, H302;
0,19%	beta-caryophyllene	87-44-5	201-746-1	01-2120745237-53-xxxx	Skin Sens. 1B, H317; Asp. Tox. 1, H304;
0,17%	menthyl acetate	89-48-5	201-911-8	----	Aquatic Chronic 2, H411;
0,16%	dihydromyrcenol (2,6-dimethyloct-7-en-2-ol)	18479-58-8	242-362-4	01-2119457274-37-xxxx	Skin Irrit. 2, H315; Eye Irrit. 2, H319;
0,13%	beta-pinene	127-91-3	204-872-5	01-2119519230-54-xxxx	Aquatic Chronic 1, H410; Aquatic Acute 1, H400; Skin Sens. 1B, H317; Skin Irrit. 2, H315; Flam. Liq. 3, H226; Asp. Tox. 1, H304;
0,11%	geraniol	106-24-1	203-377-1	01-2119552430-49-xxxx	Skin Sens. 1, H317; Skin Irrit. 2, H315; Eye Dam. 1, H318;
0,11%	dl-citronellol	106-22-9	203-375-0	01-2119453995-23-xxxx	Skin Sens. 1B, H317; Skin Irrit. 2, H315; Eye Irrit. 2, H319;
0,11%	citronellal	106-23-0	203-376-6	01-2119474900-37-xxxx	Skin Sens. 1B, H317; Skin Irrit. 2, H315; Eye Irrit. 2, H319;
0,10%	myrcene	123-35-3	204-622-5	01-2119514321-56-xxxx	Aquatic Chronic 2, H411; Aquatic Acute 1, H400; Skin Irrit. 2, H315; Flam. Liq. 3, H226; Eye Irrit. 2, H319; Asp. Tox. 1, H304;
0,10%	2,6,10-trimethyl-9-undecenal	141-13-9	205-460-8	01-2120139915-49-xxxx	Skin Sens. 1B, H317; Aquatic Chronic 1, H410; Aquatic Acute 1, H400;
0,10%	2,6-dimethyl-5-heptenal	106-72-9	203-427-2	01-2120270305-62-xxxx	Skin Sens. 1B, H317;

### Substances classified SS 1/SS 1A/SS 1B between 0.1% and 0.01%

Dosage	Substances	N° CAS	N° EINECS / ELINCS N°	REACH N°	Classification Regulatory (EC) 1272 / 2008
0,07%	alpha-hexylcinnamaldehyde  ( (2E)-2-(phenylmethylidene)octanal (CAS Europe 165184-98-5/ CAS Non Europe countries 101-86-0) )	101-86-0  (EC-List : 639-566-4)	----	01-2119533092-50-xxxx	Aquatic Acute 1, H400; Skin Sens. 1B, H317; Aquatic Chronic 2, H411;
0,04%	isohexenyl cyclohexenyl carboxaldehyde (vertomugal)  (Reaction mass of 3-(4-methyl-3-pentenyl)cyclohex-3-ene-1carbaldehyde and 4-(4-methyl-3-pentenyl)cyclohex-3-ene-1carbaldehyde)	37677-14-8  (EC-List : 915-650-9)	----	01-2120769662-44-xxxx	Aquatic Chronic 1, H410; Aquatic Acute 1, H400; Eye Dam. 1, H318; Skin Irrit. 2, H315; Skin Sens. 1B, H317;
0,01%	eugenol	97-53-0	202-589-1	01-2119971802-33-xxxx	Skin Sens. 1B, H317; Eye Irrit. 2, H319;
0,01%	1,4-methanoazulene,decahydro-4,8,8-trimethyl-9-methylene-, [1s-(1.alpha.,3a.beta.,4.alpha.,8a.beta.)]-	475-20-7	207-491-2	----	Aquatic Chronic 1, H410; Aquatic Acute 1, H400; Skin Sens. 1B, H317; Asp. Tox. 1, H304;
0,01%	trans-2-hexenal	6728-26-3	229-778-1	01-2120770494-48-xxxx	Skin Sens. 1A, H317; Skin Irrit. 2, H315; Flam. Liq. 3, H226; Aquatic Chronic 2, H411; Eye Irrit. 2, H319; Acute Tox. 4, H302; Acute Tox. 3, H311;

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For the entire text of H phrases, or classes and categories of hazard mentioned in this section , see section 16.

### 4. FIRST-AID MEASURES.

#### 4.1. Description of first aid measures.

**If inhaled :**

Keep patient calm, remove to fresh air, seek medical attention.

**On skin contact :**

If irritation appears, remove any contaminated clothing . Wash affected areas thoroughly with soap and water.

If irritation persists or any sign of tissue damage is apparent, obtain medical advice.

**On contact with eyes :**

Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open,consult an eye specialist

**On ingestion :**

Rinse mouth immediately with water. Don't drink anything. Do not intend make vomit and seek medical attention.

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

None.

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

None.

### 5. FIRE-FIGHTING MEASURES.

#### 5.1. Extinguishing media.

**Suitable extinguishing media :**

Foam or powder or CO<sub>2</sub> extinguishers. Combat the important fires with water spray or foam resistant to alcohol.

**Unsuitable extinguishing media :**

Do not use a direct water jet on the burning product.

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

As a result of combustion or thermal decomposition reactive subproducts are created (CO<sub>2</sub>, CO, NO<sub>x</sub>,...) that can become highly toxic and, consequently, can present a serious health risk

#### 5.3. Advice for fire-fighters.

Keep containers cool by spraying with water if exposed to fire.

Use a self contained breathing apparatus and a combination set for the fight against fire.

### 6. ACCIDENTAL RELEASE MEASURES.

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

Do not smoke. Do not expose to flame or any potential source of ignition (eg electrical equipment).

Avoid contact with skin and inhalation of vapors. Ensure adequate ventilation of the workplace.

#### 6.2. Environmental precautions.

Avoid direct discharge to sewer, surface water and groundwater, not make to penetrate into the soil.

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

Absorb material with inert absorbent powder or granules (sand ...)

Major spills should be absorbed by sand or inert powder and destroyed of according to applicable regulations. If rags are used to wipe up, quickly get rid of by incineration, as cases of auto-oxidation with spontaneous combustion are known.

Clean dust with a vacuum cleaner. Wash with detergent and water.

Reduction of gases / fumes with water projection.

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### 6.4. Reference to other sections.

For exposure control and personal protection measures, see section 8.

For considerations of waste disposal, see section 13.

## 7. HANDLING AND STORAGE.

### 7.1. Precautions for safe handling.

Avoid contact with skin and eyes. Wear suitable gloves and eye protection. Ensure adequate ventilation of the workplace. Follow proper hygiene rules : do not drink, eat or smoke while handling. Do not expose to flame or any potential source of ignition.

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

Store at a constant temperature in a cool, dry, ventilated area away from light, in the original containers if possible, full and sealed. Keep away from sources of ignition.

Once opened, any container must be carefully closed and placed upright to prevent spillage.

### 7.3. Specific end use.

Perfume.

### 7.4. Directions for use.

Homogenize before use

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION.

### 8.1. Control parameters.

No information is available for Occupational Exposure Levels (OELs).

### 8.2. Exposure controls.

#### 8.2.1. Appropriate engineering controls.

Handling should be at a temperature as low as possible. Ensure proper ventilation.

#### 8.2.2. Individual protection measures, such as personal protective equipment.

##### Respiratory protection :

Avoid excessive inhalation of vapors. If necessary wear a filter mask against gases. (EN14387 : 2004 + A1 : 2008)

##### Eyes protection :

Use safety goggles, conforms to standard EN166.

##### Skin protection :

Avoid skin contact. Use chemically resistant gloves as needed. Nitrile gloves conform to standard EN374.

#### 8.2.3. Environmental exposure controls.

Avoid direct discharge to sewer, surface water and groundwater, not make to penetrate into the soil.

## 9. PHYSICAL AND CHEMICAL PROPERTIES.

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

Aspect	: liquid
Color	: colorless to light yellow
Odor	: Mint - Citrus - Green
pH	: not determined
Melting point	: not determined
Boiling point	: not determined
Explosive properties	: not explosive
Oxydising properties	: not determined
Vapour pressure	: not determined
Specific gravity 20°C (d20/4)	: 0,8977 / 0,9177
Refractive index at 20°C	: 1,4484 / 1,4584

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Flash point : 93 °C  
Viscosity : not determined

### 9.2. Other information.

None.

## 10. STABILITY AND REACTIVITY.

### 10.1. Reactivity.

Presents no significant reactivity hazard, by itself or in contact with water.  
Avoid contact with strong acids.  
For use in alcoholic solution it is preferable to use water with a slightly acid pH value (6-6,5).

### 10.2. Chemical stability.

Stable under normal ambient conditions.

### 10.3. Possibility of hazardous reactions.

No dangerous reactions under normal conditions of use.

### 10.4. Conditions to avoid.

Avoid temperatures near or above the flash point. Do not heat closed containers.

### 10.5. Incompatible materials.

Keep away any oxidizing agent or highly alkaline or acidic material.

### 10.6. Hazardous decomposition products.

No dangerous decomposition products known in the recommended storage conditions.

## 11. TOXICOLOGICAL INFORMATION.

### 11.1. Information on toxicological effects.

#### 11.1.1. Acute toxicity :

This information is not available.

#### 11.1.2. Irritation :

This information is not available.

#### 11.1.3. Sensibilisation :

This information is not available.

#### 11.1.4. Mutagenicity :

This information is not available.

Perfumery products should never be ingested. Keep away from food and drink.

## 12. ECOLOGICAL INFORMATION.

### 12.1. Toxicity.

This information is not available.

For all substances listed in paragraph 3 and EH classified A1 and / or EH C1, M FACTOR are equal to 1.

### 12.2. Persistence and degradability.

This information is not available.

### 12.3. Bioaccumulative potential.

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This information is not available.

### 12.4. Mobility in soil.

This information is not available.

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

This information is not available.

### 12.6. Other adverse effects.

Unknown.

### 12.7. Water hazard class

WGK : 1

On the available eco-toxicological data base, this product is classified in compliance with the European regulations related to the classification for Environment of preparations.

## 13. DISPOSAL CONSIDERATIONS.

### 13.1. Waste treatment methods.

#### Product :

Must be dumped or incinerated at an approved center while complying with local regulations. Avoid disposal through the sewer and the dispersion in the environment.

#### Contaminated packagings :

Empty containers should be taken to a site approved for the treatment of waste for recycling or disposal.

## 14. TRANSPORT INFORMATION.

Regulatory Information	UN Number	Official shipping name	Class	Packing group	info	Marine pollutant
ADR	none	none	---	---	---	---
IATA	none	none	---	---	---	---
IMDG	none	none	---	---	---	---

## 15. REGULATORY INFORMATION.

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

No relevant information to date.

### 15.2. Chemical safety assessment.

No data available to date

## 16. OTHER INFORMATION.

Full text of hazard phrases that appear in paragraph 3 :

Class/Cat. of hazard	Phrases of hazard
Acute Tox. 3	Acute Toxicity (inhalation) cat.3
Acute Tox. 4	Acute Toxicity (oral) cat.4
Aquatic Acute 1	Acute Aquatic toxicity cat. 1
Aquatic Chronic 1	Chronic Aquatic toxicity cat. 1
Aquatic Chronic 2	Chronic Aquatic toxicity cat. 2
Aquatic Chronic 3	Chronic Aquatic toxicity cat. 3
Asp. Tox. 1	Aspiration Toxicity cat.1
Eye Dam. 1	Eye Damage/eye irritation cat. 1
Eye Irrit. 2	Eye Damage/eye irritation cat. 2



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Flam. Liq. 3	Flammable Liquid cat. 3
Repr. 2	Reproductive toxicity cat. 2
Skin Irrit. 2	Skin corrosion/ Irritation cat. 2
Skin Sens. 1	Skin Sensitization cat. 1
Skin Sens. 1B	Skin Sensitization cat. 1B

Entire text of H phrases appearing in section 3 :

Hazards	Hazard phrases
H226	Flammable liquid and vapour.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H311	Toxic in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H361	Suspected of damaging fertility or the unborn child <state specific effect if known> <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Replace version V7-CLP

Section 2 modified

Section 3 modified

This sheet contains all the data concerning the product that are known at the date of release . The Safety Data Sheet is intended to provide information for a health and safety assessment of the material during transport, storage, or applied in the workplace. Attention to users is drawn to hazards resulting from improper use of the product.

*Document produced and managed by means of computer. Valid without signature.*