

## **GERANIUM CTE T1 FIRMENICH 220534**

Revision date: 22-09-2022 Print Date: 20-04-2024 Version: 3.2/GHS/EN Page: 1/7

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

## 1.1. Identification of the substance/mixture

Trade name: GERANIUM CTE T1 FIRMENICH 220534

CAS Number: —
CE Number: —

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

Raw material for the manufacture of fragrances and/or flavourings.

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

Company: Ernesto Ventós SA
Address: Carretera Real, 120 B

08960 Sant Just Desvern - Barcelona - SPAIN

 Telephone:
 (00 34) 934 706 210

 Fax:
 (00 34) 934 733 010

 E-mail:
 info@ventos.com

#### 1.4. Emergency telephone number

NCEC (+44) 1865 407333 (24h) NCEC (+34) 91 114 2520 (24h) (ES)

NCEC (+1) 202 464 2554 (24h) (USA, Canada)

#### 2. HAZARDS IDENTIFICATION

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

Skin Irritant - Category 2 - H315 Serious eye damage - Category 1 - H318 Skin sensitizer - Category 1 - H317

Hazardous to the aquatic environment, short-term (acute) - Category 2 - H401 Hazardous to the aquatic environment, long-term (chronic) - Category 3 - H412

#### 2.2. Label Elements

## **Hazard pictograms:**



#### Signal Word:

Danger

#### **Hazard statements:**

H315 – Causes skin irritation.

H317 – May cause an allergic skin reaction.

H318 – Causes serious eye damage.

H401 – Toxic to aquatic life.

H412 – Harmful to aquatic life with long lasting effects.

#### **Precautionary statements:**

P261 – Avoid breathing dust/fume/gas/mist/vapours/spray.

P273 – Avoid release to the environment.

P280 – Wear protective gloves/protective clothing/eye protection/face protection.

P302+P352+P333+P313 – IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.

P305+P351+P338+P310 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

P362+P364 - Take off contaminated clothing and wash it before reuse.



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#### Substances responsible for the health hazards:

ALPHA-PINENE
BETA-CARYOPHYLLENE
CITRAL
CITRONELLYL FORMATE
ISOMENTHONE
LIMONENE
CITRONELLOL
GERANIOL
GERANIOL
GERANYL ACETATE
GERANYL FORMATE
LINALOOL
NEROL
TRANS-2-HEXENAL
MENTHONE

#### 2.3. Other hazards

No additional hazards identified

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

MIXTURE OF AROMATIC SUBSTANCES

#### Hazardous constituents:

Chemical Name	% (w/w)	CAS No EC No	Classification according to GHS				
CITRONELLOL	≥10; <25	106-22-9 203-375-0	Acute Toxicity - Category 5 (oral) - H303 Acute Toxicity - Category 5 (dermal) - H313 Skin Irritant - Category 2 - H315 Eye Irritant - Category 2A - H319 Skin sensitizer - Category 1B - H317 Hazardous to the aquatic environment, short-term (acute) - Category 2 - H401				
GERANIOL	≥10; <25	106-24-1 203-377-1	Acute Toxicity - Category 5 (oral) - H303 Skin Irritant - Category 2 - H315 Serious eye damage - Category 1 - H318 Skin sensitizer - Category 1 - H317 Hazardous to the aquatic environment, short-term (acute) - Category 3 - H402				
CITRAL	≥1; <10	5392-40-5 226-394-6	Acute Toxicity - Category 5 (dermal) - H313 Skin Irritant - Category 2 - H315 Eye Irritant - Category 2A - H319 Skin sensitizer - Category 1B - H317 Hazardous to the aquatic environment, short-term (acute) - Category 2 - H401				
GERANYL FORMATE	≥1; <10	105-86-2 203-339-4	Skin sensitizer - Category 1B - H317 Hazardous to the aquatic environment, short-term (acute) - Category 1 - H400 Hazardous to the aquatic environment, long-term (chronic) - Category 2 - H411				
MENTHONE	≥1;<10	89-80-5 201-941-1	Flammable Liquids - Category 4 - H227 Acute Toxicity - Category 4 (oral) - H302 Skin Irritant - Category 2 - H315 Skin sensitizer - Category 1B - H317 Hazardous to the aquatic environment, short-term (acute) - Category 3 - H402 Hazardous to the aquatic environment, long-term (chronic) - Category 3 - H412				
ISOMENTHONE	≥1; <10	491-07-6 207-727-4	Flammable Liquids - Category 4 - H227 Acute Toxicity - Category 5 (oral) - H303 Skin Irritant - Category 2 - H315 Skin sensitizer - Category 1B - H317 Hazardous to the aquatic environment, short-term (acute) - Category 3 - H402				
CITRONELLYL FORMATE	≥1; <10	105-85-1 203-338-9	Skin Irritant - Category 2 - H315 Skin sensitizer - Category 1B - H317 Hazardous to the aquatic environment, short-term (acute) - Category 2 - H401				
GERANYL ACETATE	≥0.1; <1	105-87-3 203-341-5	Skin Irritant - Category 2 - H315 Skin sensitizer - Category 1B - H317 Hazardous to the aquatic environment, short-term (acute) - Category 2 - H401 Hazardous to the aquatic environment, long-term (chronic) - Category 3 - H412				
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TRANS-2-HEXENAL	≥0.1; <1	6728-26-3 229-778-1	Flammable Liquids - Category 3 - H226 Acute Toxicity - Category 3 (dermal) - H311 Acute Toxicity - Category 4 (oral) - H302 Skin Irritant - Category 2 - H315 Eye Irritant - Category 2A - H319 Skin sensitizer - Category 1B - H317 Hazardous to the aquatic environment, short-term (acute) - Category 2 - H401
HEXANE	≥0.1; <1	110-54-3 203-777-6	Flammable Liquids - Category 2 - H225 Skin Irritant - Category 2 - H315 Toxic to reproduction - Category 2 - H361 Specific target organ toxicity following single exposure - Category 3 (narcotic effects) - H336 Specific target organ toxicity following repeated exposure - Category 2 - H373 Aspiration hazard - Category 1 - H304 Hazardous to the aquatic environment, long-term (chronic) - Category 2 - H411
BETA-CARYOPHYLLENE	≥0.1; <1	87-44-5 201-746-1	Skin sensitizer - Category 1B - H317 Aspiration hazard - Category 1 - H304
ALPHA-PINENE	≥0.1; <1	80-56-8 201-291-9	Flammable Liquids - Category 3 - H226 Acute Toxicity - Category 4 (oral) - H302 Skin Irritant - Category 2 - H315 Skin sensitizer - Category 1B - H317 Aspiration hazard - Category 1 - H304 Hazardous to the aquatic environment, short-term (acute) - Category 1 - H400 Hazardous to the aquatic environment, long-term (chronic) - Category 1 - H410
LIMONENE	≥0.1; <1	138-86-3 205-341-0	Flammable Liquids - Category 3 - H226 Skin Irritant - Category 2 - H315 Skin sensitizer - Category 1B - H317 Aspiration hazard - Category 1 - H304 Hazardous to the aquatic environment, short-term (acute) - Category 1 - H400 Hazardous to the aquatic environment, long-term (chronic) - Category 3 - H412
ROSE OXIDE	≥0.1; <1	16409-43-1 240-457-5	Flammable Liquids - Category 4 - H227 Acute Toxicity - Category 5 (oral) - H303 Skin Irritant - Category 2 - H315 Eye Irritant - Category 2A - H319 Toxic to reproduction - Category 2 - H361 Hazardous to the aquatic environment, short-term (acute) - Category 3 - H402
NEROL	≥0.1; <1	106-25-2 203-378-7	Acute Toxicity - Category 5 (oral) - H303 Skin Irritant - Category 2 - H315 Eye Irritant - Category 2A - H319 Skin sensitizer - Category 1B - H317 Hazardous to the aquatic environment, short-term (acute) - Category 2 - H401
LINALOOL	≥0.1; <1	78-70-6 201-134-4	Flammable Liquids - Category 4 - H227 Acute Toxicity - Category 5 (oral) - H303 Skin Irritant - Category 2 - H315 Eye Irritant - Category 2A - H319 Skin sensitizer - Category 1B - H317 Hazardous to the aquatic environment, short-term (acute) - Category 3 - H402

See the full text of the hazard statements in section 16.

## 4. FIRST-AID MEASURES

## 4.1. Description of necessary first aid measures

Ingestion: Rinse mouth with water.

Obtain medical advice.

Keep at rest. Do not induce vomiting.

Eye contact: In case of contact with eyes, rinse immediately with plenty of water for at least 15 minutes and seek medical advice.

Inhalation: Remove person to fresh air and keep at rest.

Seek immediate medical advice.

Skin contact: Take off immediately all contaminated clothing.

Thoroughly wash affected skin with soap and water.
Seek medical attention if symptoms persist.

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

No information available.

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

No information available.



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## 5. FIRE-FIGHTING MEASURES

## 5.1. Extinguishing Media

Water spray, carbon dioxide, dry chemical powder or appropriate foam. For safety reasons do not use full water jet.

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

Known or Anticipated Hazardous Products of Combustion: Emits toxic fumes under fire conditions.

#### 5.3. Advice for firefighters

High temperatures can lead to high pressures inside closed containers.

Avoid inhalation of vapors that are created. Use appropriate respiratory protection.

Do not allow spillage of fire to be poured into drains or watercourses.

Wear self-contained breathing apparatus and protective clothing.

#### **6. ACCIDENTAL RELEASE MEASURES**

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

Evacuate surronding areas. Ensure adequate ventilation. Keep unnecessary and unprotected personnel from entering. Do not breathe vapor/spray. Avoid contact with skin and eyes. Information regarding personal protective measures: see section 8.

#### 6.2. Environmental precautions

To avoid possible contamination of the environment, do not discharge into any drains, surface waters or groundwaters.

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

Cover with an inert, inorganic, non-combustible absorbent material (e.g. dry-lime, sand, soda ash).

Place in covered containers using non-sparking tools and transport outdoors.

Avoid open flames or sources of ignition (e.g. pilot lights on gas hot water heater).

Ventilate area and wash spill site after material pickup is complete.

#### 6.4. Reference to other sections

Information regarding exposure controls, personal protection and disposal considerations can be found in sections 8 and 13.

## 7. HANDLING AND STORAGE

## 7.1. Precautions for safe handling

Do not store or handle this material near food or drinking water. Do not smoke.

Avoid contact with the eyes, skin and clothing. Wear protective clothing and use glasses.

Observe the rules of safety and hygiene at work.

Keep in the original container or an alternative made from a compatible material.

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

Store in tightly closed and preferably full containers in a cool, dry and ventilated area, protected from light.

Keep away from sources of ignition (e.g. hot surfaces, sparks, flame and static discharges).

Keep away from incompatible materials (see section 10).

## 7.3. Specific end use(s)

No information available.

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

#### 8.1. Control parameters

Components with occupational exposure limits:

Chemical Name	CAS No	Norm.	8 hr.		15 min.			
Chemicativame	CASINO	NOTHI.	0111.	ppm	mg/m³	13 111111.	ppm	mg/m³
CITRAL	5392-40-5	ES (España) 1	VLA-ED	5		VLA-EC	\-	
CITICAL	3392-40-3	PL (Polska)	NDS		27	NDSCh		54
ALPHA-PINENE	80-56-8	ES (España)	VLA-ED	20	113	VLA-EC		
LINALOOL	78-70-6	ES (España)	VLA-ED			VLA-EC		
		DE (Deutschland)	Arbeitsplatzgr	nzwe <b>510</b>	180	Arbeitsplatzgre	enzwert	
		ES (España)	VLA-ED	20	72	VLA-EC		
HEXANE	110-54-3	FR (France)	VME	20	72	VLCT		
ITEXANE	110-54-5	IT (Italia)	Valori Limite	20	72	Valori Limite		



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			•••	•••			
	UK (United Kingdom)	Workplace		72	Workplace		
		exposure	20		exposure limit		
	OSHA		500	1800	-		
		UK (United	UK (United Kingdom)  Workplace exposure limit  OSHA  PEL-TWA	UK (United Kingdom)  Workplace exposure limit  OSHA  PEL-TWA  500	UK (United Kingdom)  Workplace exposure limit  OSHA  Workplace 20 72 1800	UK (United Kingdom)  Workplace exposure limit  OSHA  Workplace exposure limit  20 72 exposure limit  Norkplace exposure limit  Norkplace exposure limit  Norkplace exposure limit	UK (United Kingdom)  Workplace exposure limit  OSHA  Workplace exposure limit  20  72  Exposure limit  Norkplace exposure limit  PEL-TWA  SOO  1800  PEL-STEL

<sup>&</sup>lt;sup>1</sup> Possibility of significant uptake though the skin.

#### 8.2. Exposure controls

Measures should be taken to prevent materials from being splashed into the body.

Provide adequate ventilation, according to the conditions of use. Use a mechanical exhaust if required.

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

Eye/Face protection: Chemical safety goggles are recommended. Wash contaminated goggles before reuse. Hand Protection: Chemical-resistant gloves are recommended. Wash contaminated gloves before reuse.

Personal protective equipment for the body should be selected based on the task being performed and the risks Body protection:

Respiratory Protection: In case of insufficient ventilation, use suitable respiratory equipment.

Environmental exposure controls: Emissions from ventilation or process equipment should be checked to ensure they comply with environmental

protection legislation.

In some cases, filters or engineering modifications to the process equipment will be necessary to reduce emissions to

acceptable levels.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

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

Appearance: Colour:

Conforms to standard Odour: Conforms to standard Odour the shold: Not determined Not determined Melting point/freezing point: Not determined Boling point/boiling range (°C): Not determined 85 °C

Flash point:

Not determined Evaporation rate: Flammability: Not determined Lower flammability/Explosive limit: Not determined Upper flammability/Explosive limit: Not determined Vapour pressure: Not determined Vapour Density: Not determined Not determined Density: Relative density: Not determined **INSOLUBLE IN WATER** Water solubility: Solubility in other solvents: SOLUBLE IN ETHANOL Partition coefficient n-octanol/water: Not determined Auto-ignition temperature: Not determined Decomposition temperature: Not determined Viscosity, dynamic: Not determined Viscosity, kinematic: Not determined Explosive properties: Not determined Oxidising properties: NONE EXPECTED

## 10. STABILITY AND REACTIVITY

#### 10.1. Reactivity

No hazardous reactions if stored and handled as prescribed/indicated.

#### 10.2. Chemical stability

The product is stable if stored and handled as prescribed/indicated.

#### 10.3. Possibility of hazardous reactions

No hazardous reactions if stored and handled as prescribed/indicated.

#### 10.4. Conditions to Avoid

Conditions to Avoid: Excessive heat, flame or other ignition sources.



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#### 10.5. Incompatible materials

Avoid contact with strong acids and bases and oxidizing agents.

#### 10.6. Hazardous decomposition products

During combustion may form carbon monoxide and unidentified organic compounds.

## 11. TOXICOLOGICAL INFORMATION

Acute toxicity	Based on the data available, the criteria for classification are not met.				
Skin corrosion/irritation	auses skin irritation.				
Serious eye damage/irritation	Causes serious eye damage.				
Respiratory or skin sensitisation	May cause an allergic skin reaction.				
Germ cell mutagenicity	Based on the data available, the criteria for classification are not met.				
Carcinogenicity	Based on the data available, the criteria for classification are not met.				
Reproductive toxicity	Based on the data available, the criteria for classification are not met.				
STOT-single exposure	Based on the data available, the criteria for classification are not met.				
STOT-repeated exposure	Based on the data available, the criteria for classification are not met.				
Aspiration hazard	Based on the data available, the criteria for classification are not met.				

## 12. ECOLOGICAL INFORMATION

## 12.1. Toxicity

#### Assessment:

Toxic to aquatic life. Harmful to aquatic life with long lasting effects.

#### Experimental/calculated data:

No information available.

#### 12.2. Persistence and degradability

No information available.

#### 12.3. Bioaccumulative potential

No information available.

### 12.4. Soil mobility

No information available.

### 12.5. Other adverse effects

See also sections 6, 7, 13 and 15

Do not allow to get into waste water or waterways.

## 13. DISPOSAL CONSIDERATIONS

## 13.1. Waste treatment methods

Dispose of in accordance with national and local environmental regulations.

## 14. TRANSPORT INFORMATION

	ADR/RID/ADN		IMDG		IATA-ICAO		
14.1. UN Number	Not classified as hazardous goods		Not classified as hazardous goods		Not classified as hazardous goods		
14.2. UN Proper Shipping Name	Not applicable		Not applicable		Not applicable		
14.3. Transport Hazard Class(es)	Not applicable		Not applicable		Not applicable		
14.4. Packing Group	Not applicable		Not applicable	and the same of th	Not applicab	le	
14.5. Environmental hazards	No		No	/	No	Y	
Additional information			y			V	

#### 14.6 Special precautions for user

None known

## 14.7. Maritime transport in bulk according to IMO instruments

No information available

## 15. REGULATORY INFORMATION

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

No information available



## **GERANIUM CTE T1 FIRMENICH 220534**

## **16. OTHER INFORMATION**

#### Full text of the R-phrases, hazard statements and precautionary statements mentioned in section 3:

H225 - Highly flammable liquid and vapour.

H226 – Flammable liquid and vapour.

H227 – Combustible liquid.

H302 – Harmful if swallowed.

H303 - May be harmful if swallowed.

H304 - May be fatal if swallowed and enters airways.

H311 - Toxic in contact with skin.

H313 – May ne harmful 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.

H336 - May cause drowsiness or dizziness.

 $\hbox{H361-Suspected of damaging fertility or the unborn child.}\\$ 

H373 – May cause damage to organs through prolonged or repeated exposure.

H400 – Very toxic to aquatic life.

H401 - Toxic to aquatic life.

H402 – Harmful 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.

The information included in this safety data sheet is based on the available data at the moment this document is issued. It is meant to be a description of safety requirements for our product and does not stand for a guarantee of its properties. The user is responsible for taking all necessary steps leading to compliance with local rules and legislation.