

Safety Data Sheet

SECTION 1: Identification

1.1. Identification

Product Name HE CITRONNELLE / CITRONNELLA OIL

1.2. Recommended use and restrictions on use

Recommended Use No information available.

1.3. Supplier

Camden-Grey Essential Oils, Inc. 5751 Halifax Ave., Unit 2 Fort Myers, FL 33912 www.camdengrey.com

1.4. Emergency telephone number

Emergency number: Chemtrec -1.800.424.9300/ 1.703.527.3887 CCN330

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

In compliance with EC regulation No. 1272/2008 and its amendments.

Skin irritation, Category 2 (Skin Irrit. 2, H315).

Serious eye damage, Category 1 (Eye Dam. 1, H318).

Skin sensitisation, Category 1 (Skin Sens. 1, H317).

Hazardous to the aquatic environment - Chronic hazard, Category 2 (Aquatic Chronic 2, H411).

This substance does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.

In compliance with directives 67/548/EEC, 1999/45/EC and their amendments.

Skin irritation (Xi, R 38).

Serious eye damage (Xi, R 41).

Skin sensitisation (Xi, R 43).

Aquatic environmental hazard, chronic toxicity: toxic (N, R 51/53).

This substance does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.

2.2. Label elements

In compliance with EC regulation No. 1272/2008 and its amendments.

Hazard pictograms:



GHS05



GHS07

Signal Word : DANGER

Product identifiers :

EC 203-376-6 CITRONELLAL EC 203-377-1 GERANIOL EC 203-375-0 CITRONELLOL

601-029-00-7 (R)-P-MENTHA-1,8-DIENE

EC 225-004-1 FARNESOL

Hazard statements:

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.

H411 Toxic to aquatic life with long lasting effects. Precautionary statements - Prevention :

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.

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Precautionary statements - Response :

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

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P363 Wash contaminated clothing before reuse.

P391 Collect spillage.

Precautionary statements - Disposal :

P501 Dispose of contents/container with local regulations

2.3. Other hazards

The substance does not satisfy the PBT or vPvP criteria in accordance with annexe XIII of the REACH regulations EC 1907/2006.

SECTION 3: Composition/information on ingredients

3.1. Substances

Composition:

Identification	(EC) 1272/2008	67/548/EEC	Note	%
INDEX: I106_23_0	GHS07	Xi,N		25 <= x % < 50
CAS: 106-23-0	Wng	Xi;R38-R43		
EC: 203-376-6	Eye Irrit. 2, H319	N;R51/53		
	Skin Irrit. 2, H315			
CITRONELLAL	Skin Sens. 1, H317			
INDEX: I106_24_1	GHS05, GHS07	Xi		10 <= x % < 25
CAS: 106-24-1	Dgr	Xi;R38-R41-R43		
EC: 203-377-1	Skin Irrit. 2, H315			
	Skin Sens. 1, H317			
GERANIOL	Eye Dam. 1, H318			
INDEX: I106_22_9	GHS07	Xi,N		10 <= x % < 25
CAS: 106-22-9	Wng	Xi;R38-R43		
EC: 203-375-0	Eye Irrit. 2, H319	N;R51/53		
CITRONELLOL	Skin Irrit 2 H315 Skin Sens. 1, H317			
	.,			
INDEX: I105_87_3	GHS09	N		2.5 <= x % < 10
CAS: 105-87-3	Aquatic Chronic 2,	N;R51/53		
EC: 203-341-5	H411			
GERANYL ACETATE				
INDEX: 601-029-00-7	GHS02, GHS07, GHS09	Xi,N		2.5 <= x % < 10
CAS: 5989-27-5	Wng	Xi;R38-R43		
EC: 227-813-5	Flam. Liq. 3, H226	N;R50/53		
	Skin Irrit. 2, H315	R10		
(R)-P-MENTHA-1,8-DIE	Skin Sens. 1, H317			
NE	Aquatic Acute 1, H400			
	M Acute = 1			
	Aquatic Chronic 1,			
	H410			
	M Chronic = 1			
INDEX: I4602_84_0	GHS07	Xi		0 <= x % < 2.5
CAS: 4602-84-0	Wng	Xi;R36/38-R43		
EC: 225-004-1	Eye Irrit. 2, H319			
	Skin Irrit. 2, H315			
FARNESOL	Skin Sens. 1B, H317			
INDEX: 178_70_6	GHS07	Xi		0 <= x % < 2.5
CAS: 78-70-6	Wng	Xi;R38		0 32 A 70 S 2.0
EC: 201-134-4	Eye Irrit. 2, H319	,		
LINALOOL	,,			
LII W LLOOL				

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INDEX: I93_16_3 CAS:		0 <= x % < 2.5
93-16-3		
EC: 202-224-6		
METHYL ISOEUGENOL		
(ISOEUGENOL METHYL		
ETHER)		

SECTION 4: First-aid measures

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

NEVER induce swallowing by an unconscious person.

4.1. Description of first aid measures

In the event of splashes or contact with eyes:

Wash thoroughly with soft, clean water for 15 minutes holding the eyelids open.

Regardless of the initial state, refer the patient to an ophthalmologist and show him the label.

In the event of splashes or contact with skin:

Remove contaminated clothing and wash the skin thoroughly with soap and water or a recognised cleaner. Watch out for any remaining product between skin and clothing, watches, shoes, etc.

In the event of an allergic reaction, seek medical attention.

If the contaminated area is widespread and/or there is damage to the skin, a doctor must be consulted or the patient transferred to hospital.

In the event of swallowing:

Do not give the patient anything orally.

In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor. Keep the person exposed at rest. Do not force vomiting.

Seek medical attention immediately, showing the label.

If swallowed accidentally, call a doctor to ascertain whether observation and hospital care will be necessary. Show the label.

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

No data available.

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

No data available.

SECTION 5: Fire-fighting measures

Non-flammable.

5.1. Extinguishing media

Suitable methods of

extinction

In the event of a fire, use:

- -sprayed water or water mist
- -foam
- -multipurpose ABC powder
- -BC powder
- -carbon dioxide (CO2)

Unsuitable methods of extinction

In the event of a fire, do not use:

- -water jet
- -water

5.2. Special hazards arising from the substance or mixture

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health. Do not breathe in smoke. In the event of a fire, the following may be formed:

- carbon monoxide (CO)
- carbon dioxide (CO2)

5.3. Advice for firefighters

No data available.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Consult the safety measures listed under headings 7 and 8.

For non fire-fighters

Avoid any contact with the skin and eyes.

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For fire-fighters

Fire-fighters will be equipped with suitable personal protective equipment (See section 8).

6.2. Environmental precautions

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

Prevent any material from entering drains or waterways.

6.3. Methods and material for containment and cleaning up

Clean preferably with a detergent, do not use solvents.

6.4. Reference to other sections

No data available.

SECTION 7: Handling and storage

Requirements relating to storage premises apply to all facilities where the substance is handled.

Individuals with a history of skin sensitization should not, under any circumstance, handle this substance.

7.1. Precautions for safe handling

Always wash hands after handling.

Remove and wash contaminated clothing before re-using.

Ensure that there is adequate ventilation, especially in confined areas.

Provide emergency showers and eye wash stations will be required in facilities where the substance is handled constantly.

Fire prevention:

Handle in well-ventilated areas.

Prevent access by unauthorised personnel.

Recommended equipment and procedures:

For personal protection, see section 8.

Observe precautions stated on label and also industrial safety regulations. Avoid eye contact with this substance at all times.

Packages which have been opened must be reclosed carefully and stored in an upright position.

Prohibited equipment and procedures:

No smoking, eating or drinking in areas where the substance is used.

7.2. Conditions for safe storage, including any incompatibilities

No data available.

Storage

Keep the container tightly closed in a dry, well-ventilated place.

The floor must be impermeable and form a collecting basin so that, in the event of an accidental spillage, the liquid cannot spread beyond this area.

Packaging

Always keep in packaging made of an identical material to the original.

7.3. Specific end use(s)

No data available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No data available.

8.2. Exposure controls

Personal protection measures, such as personal protective equipment

Pictogram(s) indicating the obligation of wearing personal protective equipment (PPE):







Use personal protective equipment that is clean and has been properly maintained. Store personal protective equipment in a clean place, away from the work area

Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

-Eye / face protection

Avoid contact with eyes.

Use eye protectors designed to protect against liquid splashes

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Before handling, wear safety goggles with protective sides accordance with standard

EN166. In the event of high danger, protect the face with a face shield.

Prescription glasses are not considered as protection.

Individuals wearing contact lenses should wear prescription glasses during work where they may be exposed to irritant vapours.

Provide eyewash stations in facilities where the product is handled constantly.

-Hand protection

Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN374.

Gloves must be selected according to the application and duration of use at the workstation.

Protective gloves need to be selected according to their suitability for the workstation in question: other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.

Type of gloves recommended:

- -Nitrile rubber (butadiene-acrylonitrile copolymer rubber (NBR))
- -PVA (Polyvinyl alcohol) Recommended properties:
- -Impervious gloves in accordance with standard EN374

-Body protection

Avoid skin contact.

Wear suitable protective clothing.

Suitable type of protective clothing:

In the event of substantial spatter, wear liquid-tight protective clothing against chemical risks (type 3) in accordance with EN14605 to prevent skin contact.

In the event of a risk of splashing, wear protective clothing against chemical risks (type 6) in accordance with EN13034 to prevent skin contact. Work clothing worn by personnel shall be laundered regularly.

After contact with the product, all parts of the body that have been soiled must be washed

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

General information

Physical state:

Color:	Yellow to brown yellow
Odour:	Characteristic
Important health, safety and environmental information	
pH:	Not relevant.
Boiling point/boiling range :	Not specified.
Flash Point :	73.00 °C.
Vapour pressure (50°C):	Between 175 kPa and 300 kPa inclusive.
Density:	0.878 - 0.896
Water solubility :	Insoluble.
Viscosity:	v < 7 mm2/s (40°C)
Melting point/melting range :	Not specified.
Self-ignition temperature :	Not specified.
Decomposition point/decomposition range :	Not specified.

Fluid liquid.

SECTION 10: Stability and reactivity

10.1. Reactivity

No data available.

10.2. Chemical stability

This substance is stable under the recommended handling and storage conditions in section 7.

10.3. Possibility of hazardous reactions

When exposed to high temperatures, the substance can release hazardous decomposition products, such as carbon monoxide and dioxide, fumes and nitrogen oxide.

10.4. Conditions to avoid

Avoid:

-humidity

10.5. Incompatible materials

Keep away from

- Water

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10.6. Hazardous decomposition products

The thermal decomposition may release/form:

- carbon monoxide (CO)
- carbon dioxide (CO2)

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Exposure to vapours from this solvent in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on kidney, liver and central nervous system.

May cause irreversible damage to the skin; namely inflammation of the skin or the formation of erythema and eschar or oedema following exposure up to four hours.

Repeated or prolonged contact with the substance may cause removal of natural oil from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

May have irreversible effects on the eyes, such as tissue damage in the eye, or serious physical decay of sight, which is not fully reversible by the end of observation at 21 days.

Serious eye damage is typified by the destruction of cornea, persistent corneal opacity and iritis. May cause an allergic reaction by skin contact.

11.2. Substances Acute toxicity:

METHYL ISOEUGENOL (ISOEUGENOL METHYL ETHER) (CAS: 93-16-3)
Oral route:
LD50 = 2500 mg/kg

LINALOOL (CAS: 78-70-6)

Oral route: LD50 = 2780 mg/kg

CITRONELLOL (CAS: 106-22-9)

Oral route: LD50 = 3450 mg/kg

Dermal route : LD50 = 2650 mg/kg

GERANIOL (CAS: 106-24-1)

Oral route: LD50 = 4200 mg/kg

CITRONELLAL (CAS: 106-23-0)

Oral route: LD50 = 2500 mg/kg

Monograph(s) from the IARC (International Agency for Research on Cancer):

CAS 5989-27-5: IARC Group 3: The agent is not classifiable as to its carcinogenicity to humans.

SECTION 12: Ecological information

Toxic to aquatic life with long lasting effects.

The product must not be allowed to run into drains or waterways.

12.1. Toxicity

12.2 Persistence and degradability

No data available.

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Other adverse effects

No data available.

German regulations concerning the classification of hazards for water (WGK):

WGK 2 (VwVwS vom 27/07/2005, KBws): Hazardous for water.

SECTION 13: Disposal considerations

Proper waste management of the substance and/or its container must be determined in accordance with Directive 2008/98/EC.

13.1. Waste treatment methods

Do not pour into drains or waterways.

Waste:

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Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company. Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging:

Empty container completely. Keep label(s) on container.

Give to a certified disposal contractor.

SECTION 14: Transport information

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport (ADR 2013 - IMDG 2012 - ICAO/IATA 2013).

14.1. UN number

3082

14.2.UN proper shipping name

UN3082=ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (citronellal)

14.3. Transport hazard class(es)

- Classification :



14.4. Packing group

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14.5. Environmental hazards

- Environmentally hazardous material :



14.6. Special precautions for user

ADR/RI	Class	Code	Pack gr.	Label	ldent.	LQ	Provis.	EQ	Cat.	Tunnel
	9	М6	III	9	90	5 L	274 335 601	E1	3	Е
IMDG	Class	2°Label	Pack gr.	LQ	EMS	Provis.	EQ			
	9	-	III	5 L	F-A,S-F	274 335	E1			
IATA	Class	2°Label	Pack gr.	Passager	Passager	Cargo	Cargo	note	EQ	
	9	-	III	964	450 L	964	450 L	A97 A158	E1	
	9	-	III	Y964	30 kg G	-	-	A97 A158	E1	

For limited quantities, see part 2.7 of the OACI/IATA and chapter 3.4 of the ADR and IMDG. For excepted quantities, see part 2.6 of the OACI/IATA and chapter 3.5 of the ADR and IMDG.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

No data available.

SECTION 15: Regulatory information

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

mixture Classification and labelling information included in section 2:

- -Directive 67/548/EEC and its adaptations
- -Directive 1999/45/EC and its adaptations
- -Regulation EC 1272/2008 modified by regulation EC 618/2012
- -EU Regulation No. 1272/2008 amended by EU Regulation No. 758/2013.
- -Container information:

No data available.

-Particular provisions:

No data available.

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-German regulations concerning the classification of hazards for water (WGK) :

WGK 2 (VwVwS vom 27/07/2005, KBws) : Hazardous for water.

15.2. Chemical safety assessment

No data available.

SECTION 16: Other information

CAS: 8000-29-1 EINECS: 294-954-7 CITRONELLA OIL JAVA TYPE

Title for H, EUH and R indications mentioned insection 3

H226	Flammable liquid and vapour.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
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.
R 10	Flammable.
R 36/38	Irritating to eyes and skin.
R 38	Irritating to skin.
R 41	Risk of serious damage to eyes.
R 43	May cause sensitisation by skin contact.
R 50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the
	aquatic environment.
R 51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

DISCLAIMER: The information in this SDS was obtained from current and reliable sources. However, the data is provided without any warranty, expressed or implied, regarding its correctness and accuracy. Since the conditions for use, handling, storage and disposal of this product are beyond Camden-Grey Essential Oils, Inc.'s control, it is the user's responsibility both to determine safe conditions for use of this product and to assume liability for loss, injury, damage or expense arising out of the product's improper use. No warranty, expressed or implied, regarding the product described herein shall be created by or inferred from any statement or omission in this SDS. Various government agencies (e.g. DOT, EPA, FDA) may have specific regulations concerning the transportation, handling, storage, use or disposal of this product, which may not be reflected in this SDS. The user should review these regulations to ensure full compliance.