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Citronellol

Date: 13 Dec 2025

30035053

® = Registered trademark of BASF

™ = Trademark of BASF

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Dear customer, based on your request we send you information about the product **Citronellol**:

Quality & Regulatory Product Summary - Quality & Regulatory Product Information (en)

Specification - Quality & Regulatory Product Information (en)

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We create chemistry

Nutrition & Health

Quality & Regulatory Product Information

Citronellol

Date: 06 Mar 2025

PRD 30035053

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With the rising complexity of the regulatory environment and customers' growing demand for product quality and safety worldwide, companies need to provide information related to an increasing number of different regulatory issues.

At the same time fast information flow is a key requirement for success.

In order to assist you in a rapid execution, BASF Nutrition & Health established a Quality & Regulatory Product Information package (Q&R PI) which will provide you with a comprehensive summary of all required regulatory, quality, and safety information.

We have gained positive feedback from a large number of our customers who were able to accelerate their submission process. We are convinced that this package will also support you in your daily business.

If you have any further questions or need additional support, please contact your BASF sales representative.

Quality & Regulatory Product Information

Citronellol

Identity

Chemical name: 3,7-Dimethyl-6-octen-1-ol

CAS-No: 106-22-9

INCI (CTFA) Name: CITRONELLOL

Chemical Inventories / Notifications*

- (x) Australia (AIIIC)
- (x) Canada (DSL)
- (x) China (IECSC)
- (x) Europe (EC no.): 203-375-0
- (x) Japan (ENCS/ISHL)
- (x) New Zealand (NZIOC)
- (x) Philippines (PICCS)
- (x) Switzerland (ChemO)
- (x) USA (TSCA) active
- ()
- ()

* Product is either listed or notified in the respective country. Local legislation may be in place that restricts specific uses of above mentioned product. For these restrictions, please check the respective version of the material safety data sheet.

(Pre-)registration by BASF*

- (x) EEU (REACH)
- (x) Great Britain - DUIN submitted, registration under UK-REACH planned
- (x) Korea (K-REACH)
- (x) Taiwan (TCSI)
- (x) Turkey (KKDIK)
- ()
- ()

* (Pre-)registration enables only the registering company to import or produce substances in the respective country. (Pre-)registration are not transferable to / valid for other companies.

Additional Identification Numbers

- (x) CoE-No: 59
- (x) FEMA: 2309
- (x) CFR 172.515 listed
- (x) JECFA (WHO) No: 1219
- (x) FL-Number (EU Union List): 02.011
- (x) FCC, see current Food Chemical Codex Literature

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HS code*

290522

* The above-mentioned HS code refers to the general rules for the classification of goods into the HS nomenclature in accordance with the applicable regulations of the European Union. This information is not automatically updated. Instead, our invoices contain the current HS code for the products at the time of issuance. However, this information also does not exempt any customs declarant from the obligation to ensure that all data in their customs declaration is complete and valid. If costs arise to a declarant in the context of customs treatment as a result of this communication, BASF will not provide any reimbursement.

1. Production

a. Manufacturer

☒ BASF : BASF SE site Ludwigshafen (Germany) or BASF Petronas Chemicals SDN BHD, Kuantan (Malaysia)

☐ The product is manufactured by a contract manufacturer according to the BASF specification

b. Country of origin: Germany or Malaysia

c. Manufacturing Process

☒ synthetic

☐ by fermentation

☐ mineral

☐ animal

☐ plant

☐ renewable feedstock

☒ other: without palmoil or derivatives thereof / without use of coal based raw material

2. Storage conditions and temperature

☐ No special storage conditions

☒ Storage temperature 15-25 °C (optimum storage temperature)

☐ Store refrigerated (+2 to +8 °C)

☒ Carefully reseal the container after opening

☐ Store the substance under inert gas

☐ Storage temperatures (°C) lead to the following phenomena:

☐ which is reversible, if

☐ which is irreversible

☐ Others

Retest date / Best before (if the above storage conditions are maintained):
24 months after production date

3. Product Details/Composition

a. BSE/TSE risk

☒ Based on our current knowledge we hereby confirm that we do not expect a BSE/TSE risk that results from our production process and the used raw materials and equipment

b. GMO Material (Genetically Modified Organism)

☒ No genetic engineering involved

☒ No GM(O) DNA present

☒ Not subject to GM(O)-labelling according to Regulation (EC) No 1829/2003

☒ See additional statements

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c. Vegetarian / vegan status

- ☐ not applicable
- ☒ suitable for vegetarians according to ISO 23662
- ☒ suitable for vegans according to ISO 23662
- ☐ other:

d. Stabilization of the Product

The following substances are added to the product (during or after manufacture) for purpose of stabilization at indicated levels

- ☒ No additives
- ☐ Preservatives:
- ☐ Antioxidants:
- ☐ Sequestering agents (complexing agents):
- ☐ Other substances:

e. Solvents

- ☒ Based on our current knowledge of our production process, raw materials and equipment used we do not expect solvents to be present
- ☒ Ethanol not used for synthesis
- ☐ May contain solvents:

f. Catalysts

- ☒ Based on our current knowledge of our production process, raw materials and equipment used we do not expect catalysts to be present

g. CMR Substances (Carcinogenic, Mutagenic or Toxic for Reproduction)

- ☐ The above mentioned substance is listed as CMR substance in Annex VI of Regulation (EC) No 1272/2008
- ☐ The above mentioned substance is a CMR substance based on self-classification:
- ☒ Based on our current knowledge of our production process, raw materials and equipment used we do not expect CMR substances (according to Regulation (EC) No 1272/2008 as amended) to be present in concentrations $\geq 0.1\%$.
- ☐ Please refer to section 3 of the material safety datasheet (MSDS) for information regarding the presence of CMR substances present in this product in concentrations $\geq 0.1\%$.

4. Contaminants

- ☒ We hereby confirm that the above mentioned substance is in compliance with Commission Regulation (EC) No 2023/915 setting maximum levels for certain contaminants in foodstuffs

a. Heavy Metals

- ☒ Based on our current knowledge of our production process, raw materials and equipment used we do not expect lead, cadmium, mercury and arsenic to be present

b. Polycyclic aromatic hydrocarbons (US EPA 16-PAH emission factors)

- ☒ Based on our current knowledge of our production process, raw materials and equipment used we do not expect any of the 16 polycyclic aromatic hydrocarbons as defined by US EPA (EPA Identification Number: E17134016) to be present

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c. Dioxins and polychlorinated biphenyls (PCB)

- (x) Based on our current knowledge of our production process, raw materials and equipment used we do not expect dioxins and PCB to be present

d. Mycotoxins

- (x) Based on our current knowledge of our production process, raw materials and equipment used we do not expect Aflatoxine, Ochratoxin A, Patulin, Deoxynivalenol, Zearalenon, Fumonisine or T-2- and HT-2-Toxin to be present

e. Phthalates

- (x) Based on our current knowledge of our production process, raw materials and equipment used we do not intentionally add phthalates

f. Glycol ether

- (x) Based on our current knowledge of our production process, raw materials and equipment used, we do not expect any glycol ethers as listed in Regulation (EC) No 1223/2009 on cosmetic products (as amended) to be present.

g. Pesticides Residues

- () We hereby confirm that the above mentioned substance is in compliance with Regulation (EC) No 396/2005 on maximum residue levels of pesticides in or on food and feed of plant and animal origin (as amended)
- (x) Based on our current knowledge of our production process, raw materials and equipment used we do not expect pesticides to be present
- () Additional comments:

h. Other impurities

- (x) Based on our current knowledge of our production process, raw materials and equipment used we do not expect any of the following substances to be present
- Free ethylene oxide
 - Sulfite
 - Nitrosamines
 - Aromatic amines
 - Acrylamide

() additional comments:

5. Allergens

a. Fragrance Allergens listed in Annex III of the Regulation (EC) No 1223/2009 on cosmetic products (as amended)

- () We hereby confirm that the above mentioned substance is not a fragrance allergen
- () Based on our current knowledge of our production process, raw materials and equipment used we do not expect any other fragrance allergens to be present in the above mentioned substance
- (x) See additional statement

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- b. Food allergens according to Annex II of Regulation (EC) No 1169/2011(Annex IIIa of Directive 2000/13 respectively) (as amended) and in the US Food Allergen Labelling and Consumer Protection Act (FALCPA)**

☐ Not applicable
☒ See additional statement

6. Microbiological Information

- ☒ Based on our current knowledge of our production process, raw materials and equipment used we do not expect microbiological contaminations
☐ Additional comments:

7. Compliance Statements

a. Cosmetic Legislation

- ☒ We hereby confirm that the above mentioned substance is in compliance with Regulation (EC) No 1223/2009 on cosmetic products (as amended)

b. IFRA Recommendation

- ☒ Product is in conformity with IFRA Guidelines (<https://ifrafragrance.org/safe-use>)
☒ IFRA Standard of the above mentioned substance available
☒ IFRA Standard for the following impurities /components of the above mentioned substance available:
Citral, Citronellal, Geraniol
Download possible on IFRA homepage (<https://ifrafragrance.org/safe-use/library>)

c. IOFI Recommendation

- ☒ Product is in conformity with IOFI Code of Practice (Details: <http://www.iofi.org>)

d. EU-Regulation on flavorings

- ☒ We hereby confirm that above mentioned substance complies with the definition of a "flavoring substance", according to Article 3 of Regulation (EC) No 1334/2008 (as amended) on flavorings and certain food ingredients with flavoring properties for use in and on foods. It is listed in Annex I of Regulation (EC) No 1334/2008.

e. Proposition 65

- ☒ Based on our current knowledge of our production process, raw materials and equipment used we do not expect substances listed in The Safe Drinking Water and Toxic Enforcement Act of 1986 ("Proposition 65") (as amended) to be present
☐ May contain:

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Issued by:
BASF SE
Nutrition and Health

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Product Specification

FINAL

Effective from

Sep 15, 2020

Citronellol**PRD-No. 30035053**

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DAWF-2020-0896

Revision 4

NOT FOR REGULATORY PURPOSES

Test parameter	Requirement	Test method
Characters		
Appearance (clear, colourless liquid)	Test must comply	PM 01373
Odour	Test must comply	PM 01393, PM 01459
Tests		
Purity (CGC)(sum of Citronellol + isomer)	≥ 97.0 % (area)	PM 01457
Citronellol (CGC)	≥ 94.0 % (area)	PM 01457
Isomer 3,7-Dimethyl-7-Octenol (CGC)	≤ 5.0 % (area)	PM 01457
Relative density d(25/25)	0.850 to 0.860	PM 01370
Refractive index n(20/D)	1.454 to 1.462	PM 01369

The product meets the requirements of this specification.

This document is valid without signature.

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Citronellol

Floral • Rose • Citrus

Fragrances: Fresh, powerful, long lasting rosy fragrance material. Indispensable component for numerous fresh-floral compounds. Major ingredient for functional products caused by its excellent stability.

Flavors: It shows floral character, which is helpful in imitation for citrus, cherry, strawberry, peach, tutti-frutti flavors etc.

Physical Chemical Properties

CAS number	106-22-9
Formula	C ₁₀ H ₂₀ O
MW	156.3
Appearance	Clear, colorless liquid
Flashpoint	107°C
Vapor pressure (20°C)	<0.01 hPa
Purity	Min. 97.0 %
Log P	3.41

Typical Use Level

Up to 30%

Tenacity

LASTS 2 DAYS ON A BLOTTER

4 Weeks

3 Weeks

2 Weeks

1 Week

5 Days

3 Days

2 Days

1 Day

16 Hours

12 Hours

8 Hours

4 Hours

Stability

Fine Fragrance ♦♦♦♦

Shampoo ♦♦♦♦

Shower Gel ♦♦♦♦

Bar Soap ♦♦♦♦

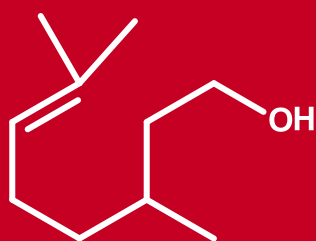
Hand Lotion ♦♦♦♦

Softener ♦♦♦♦

Detergent Liquid ♦♦♦♦

Detergent Powder ♦♦

Acid Cleaner -



6-Octen-1-ol, 3,7 -dimethyl-

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