

June 1, 2021

## Fragrance Allergens

### W220500 Butyl (S)-(-)-lactate, >= 97 %, FG

To the best of our knowledge, this product **does not** contain the following fragrance allergens:

#### EU Regulation (EC) No 1223/2009 Allergens:

##### Individual Chemicals

|  |                               |
|--|-------------------------------|
| Amyl cinnamal                                | Amyl cinnamyl alcohol         |
| Anise alcohol                                | Benzyl alcohol                |
| Benzyl benzoate                              | Benzyl cinnamate              |
| Benzyl salicylate                            | Butylphenyl methylpropional   |
| Cinnamal                                     | Cinnamyl alcohol              |
| Citral (Neral+Geranial)                      | Citronellol                   |
| Coumarin                                     | Eugenol                       |
| Farnesol                                     | Geraniol                      |
| Hexyl cinnamal                               | Hydroxycitronellal            |
| Hydroxyisohexyl 3-cyclohexene carboxaldehyde | Isoeugenol                    |
| <i>alpha</i> -Isomethyl ionone               | Limonene (sum of D, L and DL) |
| Methyl 2-octynoate                           | Linalool                      |

##### Natural Extracts

|                                       |                                     |
|---------------------------------------|-------------------------------------|
| Evernia furfuracea (treemoss) extract | Evernia prunastri (oakmoss) extract |
|---------------------------------------|-------------------------------------|

To the best of our knowledge, this product does not contain the following possible contact allergens<sup>1</sup>:

#### Established in humans:

Sigma-Aldrich warrants that, as of the above date, this product conformed to the information contained in this publication. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See [sigmaaldrich.com](http://sigmaaldrich.com), the reverse side of invoice or packing slip for additional terms and conditions of sale

## Individual Chemicals

|  |   |
|--|---|
| Acetylcedrene  | Amyl Salicylate                         |
| trans-Anethole   | Benzaldehyde                            |
| Camphor  | beta-Caryophyllene (ox.)                |
| Carvone  | (Damascenone) Rose ketone-4             |
| alpha-Damascone (TMCHB)                                    | cis-beta-Damascone                      |
| delta-Damascone  | Dimethylbenzyl carbiny acetate (DMBCA)  |
| Hexadecanolactone  | Hexamethylindanopyran                   |
| Linalyl acetate  | Menthol                                 |
| 6-Methyl coumarin  | Methyl salicylate                       |
| 3-Methyl-5-(2,2,3-trimethyl-3-cyclopentenyl)-4-penten-2-ol | alpha-Pinene and beta-Pinene            |
| Propylidene phthalide                                      | Salicylaldehyde                         |
| alpha-Santalol and beta-Santalol                           | Sclareol                                |
| Terpineol (mixture of isomers)                             | alpha-Terpineol                         |
| Terpinolene  | Tetramethyl acetyloctahydronaphthalenes |
| Trimethyl-benzenepropanol (Majantol)                       | Vanillin                                |

## Natural Extracts

|   |  |
|---|--|
| Cananga odorata and Ylang-ylang oil                         | Cedrus atlantica bark oil                |
| Cinnamomum cassia leaf oil / Cinnamomum zeylanicum bark oil | Citrus aurantium amara flower / Peel oil |
| Citrus bergamia peel oil expressed                          | Citrus limonum peel oil expressed        |
| Citrus sinensis (Syn.: Aurantium dulcis) peel oil expressed | Cymbopogon citratus / schoenanthus oils  |
| Eucalyptus spp. leaf oil                                    | Eugenia caryophyllus leaf / flower oil   |
| Jasminum grandiflorum / officinale                          | Juniperus virginiana                     |

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|                             |                        |
|-----------------------------|------------------------|
| Laurus nobilis              | Lavandula hybrida      |
| Lavandula officinalis       | Mentha piperita        |
| Mentha spicata              | Myroxylon pereirae     |
| Narcissus spp.              | Pelargonium graveolens |
| Pinus mugo/Pumila           | Pogostemon cablin      |
| Rose flower oil (Rosa spp.) | Santalum album         |
| Turpentine (Oil)            | Verbena absolute       |

**Established in animals:****Individual Chemicals**

|  |                                     |
|--|-------------------------------------|
| Allyl phenoxyacetate                             | p-tert-Butyldihydrocinnamaldehyde   |
| Cyclamen aldehyde                                | Dibenzyl ether                      |
| 2,3-Dihydro-2,2,6-trimethylbenzaldehyde          | trans-2-Hexenal                     |
| 2-Hexylidene cyclopentanone                      | Hexyl salicylate                    |
| p-Isobutyl- $\alpha$ -methyl hydrocinnamaldehyde | Isocyclocitral                      |
| $\alpha$ -Methyl cinnamic aldehyde               | Methylenedioxyphenyl methylpropanal |
| Methylundecanal                                  | 2-Methoxy-4-methylphenol            |
| 4-Methoxy- $\alpha$ -methyl benzenpropanal       | Methyl octine carbonate             |
| Perillaldehyde p-Mentha-1,8-dien-7-al            | Phenylacetaldehyde                  |

**Natural Extracts**

Jasminum Sambac Flower cera / Extract / Water

**Likely allergens:**

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## Individual Chemicals

|  |                                 |
|--|---------------------------------|
| Ambrettolide                               | Carvacrol                       |
| Citrus paradisi                            | Cuminaldehyde                   |
| Cyclopentadecanone                         | trans-trans-delta-Damascone     |
| 2,4-dimethyl-3-cyclohexen-1-carboxaldehyde | Dimethyltetrahydro benzaldehyde |
| Ethyl vanillin                             | Heliotropine                    |
| Isoamyl salicylate                         | Isolongifolene ketone           |
| Longifolene                                | Mentha arvensis                 |
| Methoxycitronellal                         | Methyl cinnamate                |
| Methylionantheme                           | 5-Methyl- $\alpha$ -ionone      |
| Myrcene                                    | Myrtenol                        |
| Nerol                                      | Nerolidol                       |
| Nopyl acetate                              | Phytol                          |
| Rhodinol                                   | trans-Rose ketone-5             |

Best regards,

Sigma Aldrich Flavors & Fragrances

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1. Scientific Committee on Consumer Safety (SCCS) Opinion on Fragrance allergens in cosmetic products adopted at its 15th plenary meeting of 26-27 June 2012 ([http://ec.europa.eu/health/sites/health/files/scientific\\_committees/consumer\\_safety/docs/sccs\\_o\\_102.pdf](http://ec.europa.eu/health/sites/health/files/scientific_committees/consumer_safety/docs/sccs_o_102.pdf))

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