



De Hekserij

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Sporstraat 57
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The Netherlands

20102 - EO Lemon CP

1Doc: All available data that is not in the SDS and that is not batch specific.
Version 1 | 2025-11-26

Identity

Product : Essential oil Lemon CP [Etherische olie Citroen CP]
Code : 20102
INCI name : CITRUS LIMON PEEL OIL
EC number : 284-515-8
CAS number EU : 84929-31-7
CAS number TSCA : 8008-56-8
FEMA number : 2625

Customs information

HS code : 3301 1310
Country of origin : Italy

Identity check

Appearance at RT : Liquid that may become cloudy with the presence of sediment
Colour : Light yellow to greenish yellow
Odour : Citrus, Lemon, Fruity
Refractive index (20°C) : 1,4700 - 1,4800
Specific gravity (20°C) : 0,8420 - 0,8580

Additives

Antioxidants : Tocopherol 10191-41-0 : 0,1 %
Chelators : None
Solvents : None

Production / origin

Essential oil of lemon obtained from the peel of Citrus limonum (Rutaceae) by cold pressed expression.

Composition

CG(%aire) beta-Pinene Beta : 8,00 - 16,00 %
CG(%aire) Limonene : 62,00 - 70,00 %
CG(%aire) gamma-Terpinene : 7,00 - 12,00 %

Physicochemical specification

Solubility in water : Insoluble
Log Pow : 4,8
Vapour pressure : 100 Pa
Melting point : < -20 °C

Boiling point : 160 °C

Use and storage

Suitable in fragrance compositions for cosmetics, cleaning products and other fragranced products.
 We do not sell products for use in oral care products, food, feed, tobacco, e-smoking or pharmaceuticals.
 Keep dark and dry in a closed container. Hazardous (REACH/CLP), SDS available on request.

Allergens, EU Cosmetics Regulation

This product contains the following fragrance allergens as specified in the EU Cosmetics Regulation:
 Fragrance ingredients restricted as potential allergens in the extended list amending ANNEX III of EUROPEAN COSMETIC REGULATION (EC) No1223/2009

***Total % in Perfume Compound determined by calculation (Direct add and Indirect from naturals/synthetics)**

Ingredient Name	Cas Number(s)			%*
3-PROPYLIDENEPHTHALIDE	: 17369-59-4			: -
6-METHYL COUMARIN	: 92-48-8			: -
ACETYLCEDRENE	: 32388-55-9			: -
ALPHA-ISOMETHYL IONONE	: 127-51-5			: -
ALPHA-TERPINENE	: 99-86-5			: 0,096
AMYL CINNAMAL	: 122-40-7			: -
AMYL SALICYLATE	: 2050-08-0			: -
AMYL CINNAMYL ALCOHOL	: 101-85-9			: -
ANETHOLE	: 104-46-1	4180-23-8		: -
ANISE ALCOHOL	: 105-13-5			: -
BENZALDEHYDE	: 100-52-7			: -
BENZYL ALCOHOL	: 100-51-6			: -
BENZYL BENZOATE	: 120-51-4			: -
BENZYL CINNAMATE	: 103-41-3			: -
BENZYL SALICYLATE	: 118-58-1			: -
BETA-CARYOPHYLLENE	: 87-44-5			: 0,027
CAMPHOR	: 76-22-2	21368-68-3 464-48-2	464-49-3	: 0,004
CANANGA ODORATA FLOWER EXTRACTS	: 83863-30-3	8006-81-3 93686-30-7	68606-83-7	: -
CARVONE	: 99-49-0	6485-40-1	2244-16-8	: -
CEDRUS ATLANTICA BARK/LEAF/WOOD EXTRACTS	: 8023-85-6	92201-55-3		: -
CINNAMAL	: 104-55-2			: -
CINNAMOMUM CASSIA LEAF OIL	: 8007-80-5	84961-46-6		: -
CINNAMOMUM ZEYLANICUM BARK OIL	: 8015-91-6	84649-98-9		: -
CINNAMYL ALCOHOL	: 104-54-1			: -
CITRAL	: 5392-40-5	141-27-5	106-26-3	: 2,043
CITRONELLOL	: 106-22-9	26489-01-0 7540-51-4	1117-61-9	: -
CITRUS AURANTIUM BERGAMIA PEEL OIL	: 8007-75-8	89957-91-5 85049-52-1	68648-33-9	: -
CITRUS AURANTIUM FLOWER OIL	: 72968-50-4	8028-48-6	8016-38-4	: -
CITRUS AURANTIUM PEEL OIL	: 68916-04-01 8028-48-6	72968-50-4 8008-57-9	97766-30-8	: -
CITRUS LIMON PEEL OIL	: 84929-31-7	8008-56-8		: 100,000
COUMARIN	: 91-64-5			: -
DIMETHYL PHENYL ACETATE	: 151-05-3			: -
EUCALYPTUS GLOBULUS OIL	: 97926-40-4	8000-48-4		: -
EUGENIA CARYOPHYLLUS OIL	: 8000-34-8	8015-97-2	84961-50-2	: -

EUGENOL	:	97-53-0			:	-
EUGENYL ACETATE	:	93-28-7			:	-
EVERNIA FURFURACEA (TREETMOSS) EXTRACT	:	90028-67-4			:	-
EVERNIA PRUNASTRI (OAKMOSS) EXTRACT	:	90028-68-5			:	-
FARNESOL	:	4602-84-0			:	-
GERANIOL	:	106-24-1			:	0,014
GERANYL ACETATE	:	105-87-3			:	0,356
HEXADECANOLACTONE	:	109-29-5			:	-
HEXAMETHYLINDANOPYRAN (GALAXOLIDE)	:	1222-05-5			:	-
HEXYL CINNAMAL	:	101-86-0			:	-
HYDROXYCITRONELLAL	:	107-75-5			:	-
ISOEUGENOL	:	97-54-1	5932-68-3	5912-86-7	:	-
ISOEUGENYL ACETATE	:	93-29-8			:	-
JASMINE OIL/EXTRACT (GRANDIFLORUM / OFFICINALE)	:	84776-64-7	90045-94-6 8024-43-9	8022-96-6	:	-
JUNIPERUS VIRGINIANA OIL	:	8000-27-9	85085-41-2		:	-
LAURUS NOBILIS LEAF OIL	:	8002-41-3	8007-48-5	84603-73-6	:	-
LAVANDULA OIL/ EXTRACT	:	91722-69-9 93455-97-1 8000-28-0	8022-15-9 92623-76-2 90063-37-9	93455-96-0 84776-65-8	:	-
LEMONGRASS OIL	:	8007-02-1	89998-16-3	91844-92-7	:	-
LIMONENE	:	138-86-3	7705-14-8 5989-54-8	5989-27-5	:	67,700
LINALOOL	:	78-70-6			:	0,098
LINALYL ACETATE	:	115-95-7			:	-
LIPPIA CITRIODORA ABSOLUTE (VERBENA ABSOLUTE)	:	8024-12-2	85116-63-8		:	-
MENTHA PIPERITA OIL	:	8006-90-4	84082-70-2		:	-
MENTHA VIRIDIS LEAF OIL	:	8008-79-5	84696-51-5		:	-
MENTHOL	:	89-78-1	1490-04-6 15356-60-2	2216-51-5	:	-
METHYL 2-OCTYNOATE	:	111-12-6			:	-
METHYL SALICYLATE	:	119-36-8			:	-
MYROXYLON PEREIRAE OIL/ EXTRACT (PERU BALSAM)	:	8007-00-9			:	-
NARCISSUS EXTRACT	:	90064-26-9	68917-12-4 90064-25-8	90064-27-0	:	-
PELARGONIUM GRAVEOLENS FLOWER OIL	:	90082-51-2	8000-46-2		:	-
PINENE	:	80-56-8 18172-67-3	7785-70-8	127-91-3	:	15,471
PINUS MUGO	:	90082-72-7			:	-
PINUS PUMILA	:	97676-05-6			:	-
POGOSTEMON CABLIN OIL	:	8014-09-3	84238-39-1		:	-
ROSE FLOWER OIL/EXTRACT	:	8007-01-0 84696-47-9	90106-38-0 84604-12-6 92347-25-6	93334-48-6 84604-13-7	:	-
ROSE KETONES	:	43052-87-5 23696-85-7 23726-92-3	23726-94-5 57378-68-4 23726-91-2	24720-09-0 71048-82-3	:	-
SALICYLALDEHYDE	:	90-02-8			:	-
SANTALOL	:	11031-45-1	115-71-9	77-42-9	:	-
SANTALUM ALBUM OIL	:	8006-87-9	84787-70-2		:	-
SCLAREOL	:	515-03-7			:	-
TERPINEOL	:	8000-41-7	98-55-5 586-81-2	138-87-4	:	0,045
TERPINOLENE	:	586-62-9			:	0,241
TETRAMETHYLACETYLOCTAHYDRO NAPHTHALENES (OTNE)	:	54464-57-2	54464-59-4 68155-67-9	68155-66-8	:	-
TRIMETHYLBENZENEPROPANOL	:	103694-68-4			:	-

TRIMETHYLCYCLOPENTENE METHYL PENTENOL	:	67801-20-1	:	-
TURPENTINE	:	9005-90-7	8006-64-2	8052-14-0
VANILLIN	:	121-33-5	:	-

These values are the typical maximum values, in rare cases these values can be higher.

This product contains the following additional ingredients that are listed in annex II - VI of the Cosmetic regulation (EC) No 1223/2009:

Bergapten (5-MOP) 484-20-8	:	0,028	II	358
Perilla aldehyde (p-Mentha-1,8-dien-7-al) 2111-75-3	:	0,006	III	169
2-Hexenal 6728-26-3	:	0,004	III	166

IFRA QRE

According to the IFRA standard (51th Amendment) this product is restricted in use. The following limits apply (calculated for the finished product):

IFRA Class	Maximum use level
1 Products applied to the lips.	: 0,0 %
2 Products applied to the axillae.	: 1,566 %
3 Products applied to the face/body using fingertips.	: 2 %
4 Products related to fine fragrances.	: 2 %
5A Products applied to the body using the hands (palms), primarily leave-on (Body lotion).	: 2 %
5B Products applied to the face using the hands (palms), primarily leave-on (Face moisturizer).	: 2 %
5C Products applied to the hands using the hands (palms), primarily leave-on (Hand cream).	: 2 %
5D Products applied to babies using the hands (palms), primarily leave-on (Baby cream, oil, talc).	: 2 %
6 Products with oral and lip exposure.	: 0,0 %
7A Rinse-off products applied to the hair with some hand contact.	: 9,79 %
7B Leave-on products applied to the hair with some hand contact.	: 2 %
8 Products with significant anogenital exposure (tampon).	: 2 %
9 Products with body and hand exposure, primarily rinse off.	: 58,737 %
10A Household products.	: 58,737 %
10B Household care products with mostly hand contact (household aerosol/spray products).	: 2 %
11A Products with intended skin contact but minimal transfer of fragrance to skin from inert substrate without UV exposure.	: 2,496 %
11B Products with intended skin contact but minimal transfer of fragrance to skin from inert substrate with potential UV exposure.	: 2 %
12 Other air care products not intended for direct skin contact, minimal or insignificant transfer to skin.	: 100 %

Please note that we advise using lower amounts of this material in specific cases. This can be based on the fact that certain applications should only contain a small amount of fragrance anyway, independent of the risks of the material itself.

IFRA - Limitations

This product contains the following substances that are listed in the IFRA standards (51th Amendment):

Lemon oil cold pressed 8008-56-8	: 100
Limonene 5989-27-5	: 67,7
Citral 5392-40-5	: 2,043
Bergapten (5-MOP) 484-20-8	: 0,028
Geraniol 106-24-1	: 0,014
Citronellyl acetate 150-84-5	: 0,006
Perilla aldehyde (p-Mentha-1,8-dien-7-al) 2111-75-3	: 0,006
2-Hexenal 6728-26-3	: 0,004

IFRA - Specification

This product contains the following substance that has a specification in the IFRA standards (51th Amendment):

Limonene 5989-27-5 : 67,7

This product can only be used when it has a peroxide value of less than 20 millimoles per liter.

We can not guarantee this value, the peroxide value has to be determined shortly before the actual use of it.

Natural

This product is for 99,9% a natural aromatic raw material according to ISO 9235. The added alpha tocopherol is synthetic.

This product does not contain animal derived products, and can therefore be considered vegan.

Natural Index (acc. to ISO 16128) NI= 0,999

Natural Origin Index (acc. to ISO 16128) NOI= 0,999

Organic Index (acc. to ISO 16128) OI= 0

Animal testing

This raw material is in compliance with article 18 of the Cosmetics regulation (EC) No 1223/2009.

Disclaimer

All information in this document is to our best knowledge at the time of preparation, provided in good faith and believed to be accurate. It still may contain errors and may be incomplete.