



De Hekserij

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Sporstraat 57
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The Netherlands

23156 - Clearwood (Fir)

1Doc: All available data that is not in the SDS and that is not batch specific.
Version 2 | 2025-11-19

Identity

Product : Clearwood (Fir)
Code : 23156
INCI name : SACCHAROMYCES/SUCROSE FERMENT EXTRACT
EC number : 872-301-2
CAS number EU : 1450625-49-6
CAS number TSCA : 1450625-49-6

Customs information

HS code : 1302 1970
Country of origin : United States

Identity check

Appearance at RT : Liquid
Colour : Colourless to yellow
Odour : Woody, Earthy, Patchouli
Refractive index (20°C) : 1.5 - 1.52
Specific gravity (20°C) : 0.94 - 0.97

Additives

Antioxidants : None
Chelators : None
Solvents : None

Production / origin

Produced by yeast fermentation using sugar (from a non-GMO biomass) as a feedstock. The product is physically separated from the fermentation broth, followed by distillation for product purification.

Composition

Patchouli alcohol : > 30.00 %
Alpha patchoulene : 4.00 - 14.00 %
Bulnesene : 8.00 - 21.00 %

Physiochemical specification

Solubility in water : Insoluble
Vapour pressure : 0.02 Pa at 20 °C
Melting point : < -50 °C
Boiling point : 320 °C

Performance in candles and other wax products

Stability	: Good
Cold wax	: Good
Burning	: Reasonably good
Concentration	: 2% (avarage) - 7% (max)

Use and storage

Storage Conditions: Dry area, optimum temp. 11-25 °C.

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			: -
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			: 5.0
CAMPHOR	: 76-22-2	21368-68-3 464-48-2	464-49-3	: -
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	: -
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		: -
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			: 0,2
GERANIOL	:	106-24-1			: -
GERANYL ACETATE	:	105-87-3			: -
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	: -
LINALOOL	:	78-70-6			: -
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	: -
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	:	-
TERPINOLENE	:	586-62-9			:	-
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.

Besides the obligation to list the allergens on the label in case these exceed a certain level there are no restrictions of use.

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.	: 31 %
3 Products applied to the face/body using fingertips.	: 100 %
4 Products related to fine fragrances.	: 100 %
5A Products applied to the body using the hands (palms), primarily leave-on (Body lotion).	: 100 %
5B Products applied to the face using the hands (palms), primarily leave-on (Face moisturizer).	: 100 %
5C Products applied to the hands using the hands (palms), primarily leave-on (Hand cream).	: 100 %
5D Products applied to babies using the hands (palms), primarily leave-on (Baby cream, oil, talc).	: 100 %
6 Products with oral and lip exposure.	: 0,0 %
7A Rinse-off products applied to the hair with some hand contact.	: 100 %
7B Leave-on products applied to the hair with some hand contact.	: 100 %
8 Products with significant anogenital exposure (tampon).	: 60 %
9 Products with body and hand exposure, primarily rinse off.	: 100 %
10A Household products.	: 100 %
10B Household care products with mostly hand contact (household aerosol/spray products).	: 100 %
11A Products with intended skin contact but minimal transfer of fragrance to skin from inert substrate without UV exposure.	: 100 %
11B Products with intended skin contact but minimal transfer of fragrance to skin from inert substrate with potential UV exposure.	: 100 %
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):

FARNESOL 4602-84-0 : 0.2 %

Natural

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

In many respects it can be seen as natural, however due to the nature of the process it does not match the most common standards that determine the natural origin of materials.

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.