
**Essential oils — Name harmonization
of components**

Huiles essentielles — Harmonisation des noms des composants

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Foreword

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The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 54, *Essential oils*.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Introduction

This document was developed in response to the need for harmonization of the names of the components mentioned in the standards. It precisely defines the compound names (e.g. type of isomer) and gives the corresponding Registry Number (RN) from Chemical Abstracts Service (CAS).

Usual names of components commonly accepted by the profession are preferred to the International Union of Pure and Applied Chemistry (IUPAC) or CAS nomenclatures.

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Essential oils — Name harmonization of components

1 Scope

This document specifies the names of the components intended to be used in the standards, for harmonization purposes.

It establishes the correspondence between the English and French names and gives the corresponding CAS Registry Number (CAS RN®)¹⁾ for each component.

It is applicable to all standards of the field “Essential oils”.

2 Normative references

There are no normative references in this document.

3 Terms and definitions

No terms and definitions are listed in this document.

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <https://www.iso.org/obp>
- IEC Electropedia: available at <https://www.electropedia.org/>

4 Name harmonization of components

A list of names of the components to be used in the standards is given in [Table 1](#).

Table 1 — Name harmonization of components

	English name	French name	CAS RN®
1	Acetophenone	Acétophénone	98-86-2
2	5-Allyl-1,2,3,4-tetramethoxybenzene	5-Allyl-1,2,3,4-tétraméthoxybenzène	15361-99-6
3	Anethole	Anéthole	104-46-1
4	(E)-Anethole	(E)-Anéthole	4180-23-8
5	(Z)-Anethole	(Z)-Anéthole	25679-28-1
6	Anisaldehyde	Anisaldéhyde	123-11-5
7	Apiole	Apiole	523-80-8
8	Aromadendrene	Aromadendrène	109119-91-7
9	<i>allo</i> -Aromadendrene	<i>allo</i> -Aromadendrène	25246-27-9
10	Auraptene	Auraptène	495-02-3
11	Benzaldehyde	Benzaldéhyde	100-52-7
12	Benzyl acetate	Acétate de benzyle	140-11-4
13	Benzyl benzoate	Benzoate de benzyle	120-51-4

1) CAS Registry Number® (CAS RN®) is a trademark of CAS corporation. This information is given for the convenience of users of this document and does not constitute an endorsement by ISO of the product named. Equivalent products may be used if they can be shown to lead to the same results.

Table 1 (continued)

	English name	French name	CAS RN®
14	Benzyl salicylate	Salicylate de benzyle	118-58-1
15	α -Bergamotene	α -Bergamotène	17699-05-7
16	<i>trans</i> - α -Bergamotene	<i>trans</i> - α -Bergamotène	17829-53-7
17	<i>cis</i> - α -Bergamotene	<i>cis</i> - α -Bergamotène	18252-46-5
18	<i>trans</i> - α -Bergamotol	<i>trans</i> - α -Bergamotol	88034-74-6
19	(<i>Z</i>)- <i>trans</i> - α -Bergamotol	(<i>Z</i>)- <i>trans</i> - α -Bergamotol	176777-61-0
20	Bergamottin	Bergamottine	482-46-2
21	Bergapten	Bergaptène	484-20-8
22	β -Bisabolene	β -Bisabolène	495-61-4
23	(<i>E</i>)- α -Bisabolene	(<i>E</i>)- α -Bisabolène	25532-79-0
24	<i>epi</i> - α -Bisabolol	<i>épi</i> - α -Bisabolol	78148-59-1
25	α -Bisabolol	α -Bisabolol	515-69-5
26	α -Bisabolol oxide A	Oxyde d' α -bisabolol A	22567-36-8
27	α -Bisabolol oxide B	Oxyde d' α -bisabolol B	26184-88-3
28	α -Bisabolone oxide A	Oxyde d' α -bisabolone A	22567-38-0
29	Borneol	Bornéol	507-70-0
30	Bornyl acetate	Acétate de bornyle	76-49-3
31	β -Bourbonene	β -Bourbonène	5208-59-3
32	α -Bulnesene	α -Bulnesène	3691-11-0
33	2-Butyl methacrylate	Méthacrylate de 2-butyle	2998-18-7
34	Butyl methacrylate	Méthacrylate de butyle	97-88-1
35	δ -Cadinene	δ -Cadinène	483-76-1
36	α -Cadinol	α -Cadinol	481-34-5
37	T-Cadinol	T-Cadinol	5937-11-1
38	Camphene	Camphène	79-92-5
39	Camphor	Camphre	76-22-2
40	δ -3-Carene	δ -3-Carène	13466-78-9
41	Carota- 1,4-oxide	Oxyde de 1,4-carotol	56484-24-3
42	Carotol	Carotol	465-28-1
43	Carvacrol	Carvacrol	499-75-2
44	Carvacryl methyl ether	Carvacryl méthyl éther	6379-73-3
45	<i>trans</i> -Carveol	<i>trans</i> -Carvéol	1197-07-5
46	<i>cis</i> -Carveol	<i>cis</i> -Carvéol	1197-06-4
47	Carvone	Carvone	99-49-0
48	β -Caryophyllene	β -Caryophyllène	87-44-5
49	β -Caryophyllene oxide	Oxyde de β -caryophyllène	1139-30-6
50	α -Cedrene	α -Cédrène	469-61-4
51	β -Cedrene	β -Cédrène	546-28-1
52	Cedrol	Cédrol	77-53-2
53	Chamazulene	Chamazulène	529-05-5
54	Chavicol	Chavicol	501-92-8
55	1,8-Cineole	1,8-Cinéole	470-82-6
56	(<i>E</i>)-Cinnamaldehyde	(<i>E</i>)-Cinnamaldéhyde	14371-10-9
57	(<i>Z</i>)-Cinnamaldehyde	(<i>Z</i>)-Cinnamaldéhyde	57194-69-1

Table 1 (continued)

	English name	French name	CAS RN®
58	Cinnamic alcohol	Alcool cinnamique	104-54-1
59	(<i>E</i>)-Cinnamic alcohol	(<i>E</i>)-Alcool cinnamique	4407-36-7
60	(<i>Z</i>)-Cinnamic alcohol	(<i>Z</i>)-Alcool cinnamique	4510-34-3
61	(<i>E</i>)-Cinnamyl acetate	Acétate de (<i>E</i>)-cinnamyle	21040-45-9
62	Cinnamyl acetate	Acétate de cinnamyle	103-54-8
63	<i>cis</i> -Carvyl acetate	Acétate de <i>cis</i> -carvyle	1205-42-1
64	Citronellal	Citronellal	106-23-0
65	Citronellol	Citronellol	106-22-9
66	Citronellyl acetate	Acétate de citronellyle	150-84-5
67	Citronellyl formate	Formiate de citronellyle	105-85-1
68	α -Copaene	α -Copaène	3856-25-5
69	Coumarin	Coumarine	91-64-5
70	<i>p</i> -Cresyl methyl ether	<i>p</i> -Crésyl méthyl éther	104-93-8
71	Cuminaldehyde	Aldéhyde cuminique	122-03-2
72	Cuparene	Cuparène	16982-00-6
73	(<i>Z</i>)- β -Curcumen-12-ol	(<i>Z</i>)- β -Curcumen-12-ol	698365-10-5
74	(<i>Z</i>)- γ -Curcumen-12-ol	(<i>Z</i>)- γ -Curcumen-12-ol	151513-85-8
75	(<i>E</i>)- γ -Curcumen-12-ol	(<i>E</i>)- γ -Curcumen-12-ol	235421-67-7
76	<i>ar</i> -Curcumene	<i>ar</i> -Curcumène	4176-17-4
77	Cycloseychellene	Cycloseychellène	52617-34-2
78	<i>p</i> -Cymene	<i>p</i> -Cymène	99-87-6
79	Daucene	Daucène	16661-00-0
80	Daucol	Daucol	887-08-1
81	Decanal	Décanal	112-31-2
82	<i>cis</i> -Dihydrocarvone	<i>cis</i> -Dihydrocarvone	3792-53-8
83	Dihydrocarvyl acetate	Acétate de dihydrocarvyle	20777-49-5
84	Drimenol	Driménol	468-68-8
85	Eicosane	Eicosane	112-95-8
86	Eicosene	Eicosène	3452-07-1
87	β -Elemene	β -Elémène	515-13-9
88	Elemicin	Élémicine	487-11-6
89	Elemol	Élémol	639-99-6
90	Epoxyauraptene	Epoxyauraptène	118628-99-2
91	Epoxybergamottin	Epoxybergamottine	206978-14-5
92	Estragole	Estragole	140-67-0
93	Ethanol	Ethanol	64-17-5
94	Ethyl salicylate	Salicylate d'éthyle	118-61-6
95	10- <i>epi</i> - γ -Eudesmol	10- <i>épi</i> - γ -Eudesmol	15051-81-7
96	γ -Eudesmol	γ -Eudesmol	1209-71-8
97	α -Eudesmol	α -Eudesmol	473-16-5
98	7- <i>epi</i> - α -Eudesmol	7- <i>épi</i> - α -Eudesmol	123123-38-6
99	β -Eudesmol	β -Eudesmol	473-15-4
100	Eugenol	Eugénol	97-53-0
101	Eugenyl acetate	Acétate d'eugényle	93-28-7

Table 1 (continued)

	English name	French name	CAS RN®
102	(<i>E,E</i>)- α -Farnesene	(<i>E,E</i>)- α -Farnésène	502-61-4
103	(<i>E</i>)- β -Farnesene	(<i>E</i>)- β -Farnésène	18794-84-8
104	(<i>E,E</i>)-Farnesol	(<i>E,E</i>)-Farnésol	106-28-5
105	(<i>E,Z</i>)-Farnesol	(<i>E,Z</i>)-Farnésol	3879-60-5
106	(<i>E,E</i>)-Farnesyl acetate	Acétate de (<i>E,E</i>)-farnésyle	4128-17-0
107	α -Fenchene	α -Fenchène	471-84-1
108	Fenchol	Fenchol	1632-73-1
109	Fenchone	Fenchone	1195-79-5
110	Foeniculin	Foeniculine	78259-41-3
111	Geranial	Géranial	141-27-5
112	Geraniol	Géraniol	106-24-1
113	Geranyl acetate	Acétate de géranyle	105-87-3
114	Geranyl benzoate	Benzoate de géranyle	94-48-4
115	Geranyl butyrate	Butyrate de géranyle	106-29-6
116	Geranyl formate	Formiate de géranyle	105-86-2
117	Geranyl hexanoate	Hexanoate de géranyle	10032-02-7
118	Geranyl tiglate	Tiglate de géranyle	7785-33-3
119	Germacrene D	Germacrène D	23986-74-5
120	Globulol	Globulol	51371-47-2
121	Guaia-6,9-diene	Guaia-6,9-diène	37839-64-8
122	α -Guaiene	α -Guatène	3691-12-1
123	α -Gurjunene	α -Gurjunène	489-40-7
124	Heneicosane	Héneicosane	629-94-7
125	Heneicosene	Henéicosène	1599-68-4
126	Heptadecane	Heptadécane	629-78-7
127	Hexyl acetate	Acétate d'hexyle	142-92-7
128	Hexyl butyrate	Butyrate d'hexyle	2639-63-6
129	Hexyl isobutyrate	Isobutyrate d'hexyle	2349-07-7
130	α -Humulene	α -Humulène	6753-98-6
131	(12 <i>Z</i>)-Hydroxysesquicineol	(12 <i>Z</i>)-Hydroxysesquicinéole	699007-30-2
132	Indole	Indole	120-72-9
133	<i>trans</i> - α -Irone	<i>trans</i> - α -Irone	599-45-1
134	<i>cis</i> - α -Irone	<i>cis</i> - α -Irone	472-46-8
135	<i>cis</i> - γ -Irone	<i>cis</i> - γ -Irone	101325-32-0
136	β -Irone	β -Irone	79-70-9
137	Isoamyl angelate	Angélate d'isoamyle	10482-55-0
138	Isoamyl isobutyrate	Isobutyrate d'isoamyle	2050-01-3
139	Isoamyl methacrylate	Méthacrylate d'isoamyle	7336-27-8
140	Isobornyl acetate	Acétate d'isobornyle	125-12-2
141	Isobutyl angelate	Angélate d'isobutyle	7779-81-9
142	Isobutyl isobutyrate	Isobutyrate d'isobutyle	97-85-8
143	Isobutyl methacrylate	Méthacrylate d'isobutyle	97-86-9
144	Isomenthone	Isomenthone	491-07-6
145	Isomeranzine	Isoméranzine	1088-17-1

Table 1 (continued)

	English name	French name	CAS RN®
146	Isopimaradiene	Isopimaradiène	1686-66-4
147	Isopinocamphone	Isopinocamphone	15358-88-0
148	Isopulegol	Isopulégol	89-79-2
149	neo-Isopulegol	néo-Isopulégol	29141-10-4
150	(E)-Isovalencenol	(E)-Isovalencénol	22387-74-2
151	(Z)-Isovalencenol	(Z)-Isovalencénol	76250-14-1
152	(Z)-Jasmone	(Z)-Jasmone	488-10-8
153	Karahanaenone	Karahanaenone	19822-67-4
154	Khusimol	Khusimol	16223-63-5
155	(Z)-Lanceol	(Z)-Lancéol	10067-28-4
156	Lavandulol	Lavandulol	498-16-8
157	Lavandulyl acetate	Acétate de lavandulyle	25905-14-0
158	Limonene	Limonène	138-86-3
159	Linalool	Linalol	78-70-6
160	trans-Linalool oxide	trans-Oxyde de linalol	34995-77-2
161	cis-Linalool oxide	cis-Oxyde de linalol	5989-33-3
162	Linalyl acetate	Acétate de linalyle	115-95-7
163	Longifolene	Longifolène	475-20-7
164	Manoyl oxide	Oxyde de manoyle	596-84-9
165	1,3- <i>p</i> -Menthadien-7-al	<i>p</i> -Mentha-1,3-dièn-7-al	1197-15-5
166	1,4- <i>p</i> -Menthadien-7-al	<i>p</i> -Mentha-1,4-dièn-7-al	22580-90-1
167	3- <i>p</i> -Menthen-7-al	<i>p</i> -Menth-3-èn-7-al	27841-22-1
168	Menthofuran	Menthofurane	494-90-6
169	Menthol	Menthol	89-78-1
170	Menthone	Menthone	89-80-5
171	Menthyl acetate	Acétate de menthyle	89-48-5
172	Meranzine	Méranzine	23971-42-8
173	(E)-o-Methoxycinnamaldehyde	(E)-o-Méthoxycinnamaldéhyde	60125-24-8
174	o-Methoxycinnamaldehyde	o-Méthoxycinnamaldéhyde	1504-74-1
175	o-Methoxycinnamyl acetate	Acétate d'o-méthoxycinnamyle	110823-66-0
176	(E)-o-Methoxycinnamyl acetate	(E)-Acétate d'o-méthoxycinnamyle	38822-47-8
177	Methyl 2-methylbutyrate	2-Méthylbutyrate de méthyle	868-57-5
178	Methyl anthranilate	Anthranilate de méthyle	134-20-3
179	Methyl benzoate	Benzoate de méthyle	93-58-3
180	Methyl eugenol	Méthyl eugénol	93-15-2
181	(E)-Methyl isoeugenol	(E)-Méthyl isoeugénol	6379-72-2
182	N-Methyl methylantranilate	N-Méthyl anthranilate de méthyle	85-91-6
183	Methyl salicylate	Salicylate de méthyle	119-36-8
184	2-Methyl-2-propenyl angelate	Angélate de 2-méthyl-2-propényle	61692-78-2
185	6-Methyl-5-hepten-2-one	6-Méthylhept-5-èn-2-one	110-93-0
186	2-Methylbutyl angelate	Angélate de 2-méthylbutyle	61692-77-1
187	2-Methylbutyl methacrylate	Méthacrylate de 2-méthylbutyle	60608-94-8
188	Myrcene	Myrcène	123-35-3
189	Myristicin	Myristicine	607-91-0

Table 1 (continued)

	English name	French name	CAS RN®
190	Myrtenyl methyl ether	Myrtényl méthyl éther	144407-54-5
191	Neomenthol	Néomenthol	3623-51-6
192	Neral	Néral	106-26-3
193	Nerol	Nérol	106-25-2
194	Nerolidol	Nérolidol	7212-44-4
195	(E)-Nerolidol	(E)-Nérolidol	40716-66-3
196	Neryl acetate	Acétate de néryle	141-12-8
197	Nonadecane	Nonadécane	629-92-5
198	Nonadecene	Nonadécène	18435-45-5
199	(9Z)-Nonadecene	(9Z)-Nonadécène	51865-02-2
200	Nonanal	Nonanal	124-19-6
201	Nootkatone	Nootkatone	4674-50-4
202	Norpatchoulénol	Norpatchoulénol	41429-52-1
203	(Z)-Nuciferol	(Z)-Nuciférol	78339-53-4
204	(E)- β -Ocimene	(E)- β -Ocimène	3779-61-1
205	(Z)- β -Ocimene	(Z)- β -Ocimène	3338-55-4
206	Octanal	Octanal	124-13-0
207	3-Octanol	Octan-3-ol	20296-29-1
208	1-Octen-3-ol	Oct-1-én-3-ol	3391-86-4
209	1-Octen-3-yl acetate	Acétate d'oct-1-én-3-yle	2442-10-6
210	Osthol	Osthol	484-12-8
211	β -Patchoulène	β -Patchoulène	514-51-2
212	α -Patchoulène	α -Patchoulène	560-32-7
213	Patchoulol	Patchoulol	5986-55-0
214	1-Pentyl-1,3-cyclohexadiene	1-Pentyl-cyclohexa-1,3-diène	76346-02-6
215	α -Phellandrene	α -Phellandrène	99-83-2
216	β -Phellandrene	β -Phellandrène	555-10-2
217	Phenylacetonitrile	Phénylacétonitrile	140-29-4
218	2-Phenylethyl tiglate	Tiglate de 2-phényléthyle	55719-85-2
219	2-Phenylethylalcohol	Alcool phényléthylique	60-12-8
220	Phthalide, 3-butyl-4,5-dihydro/ Sedanenolide	3-Butyl-4,5-dihydrophthalide/ Sedanénolide	63038-10-8
221	Phthalide, 3-butylidene-4,5-dihydro/ Ligustilide	3-Butylidène-4,5-dihydrophthalide/ Ligustilide	4431-01-0
222	(3E)-Phthalide, 3-butylidene-4,5-dihydro/ (E)-Ligustilide	(3E)-Butylidène-4,5-dihydrophthalide/ (E)-Ligustilide	81944-08-3
223	(3Z)-Phthalide, 3-butylidene-4,5-dihydro/ (Z)-Ligustilide	(3Z)-Butylidène-4,5-dihydrophthalide/ (Z)-Ligustilide	81944-09-4
224	Phthalide, 3-propylidene	3-Propylidènephthalide	17369-59-4
225	(3E)-Phthalide, 3-propylidene	(3E)-Propylidènephthalide	56014-72-3
226	(3Z)-Phthalide, 3-propylidene	(3Z)-Propylidènephthalide	94704-89-9
227	Pimaradiene	Pimaradiène	1686-61-9
228	3-Pinanone	3-Pinanone	18358-53-7
229	α -Pinene	α -Pinène	80-56-8
230	β -Pinene	β -Pinène	127-91-3