

FRAGRANCE PRODUCT INFORMATION SHEET

Product: BICYCLONONALACTONE
Product Code: 00151245
Date: December 5, 2010

I. PRODUCT IDENTIFICATION

- A. Single Chemical...Chemical Name: 2H-1-Benzopyran-2-one, octahydro-
 CAS # (if any): 4430-31-3
- B. **Is product an intentional** composition? YES NO % Naturals: 0%
- C. This product is manufactured as a fragrance ingredient for use in manufacturing fragrance products. Any warranties or representations, express or implied, regarding the suitability of the product for any other purpose is hereby disclaimed.

II. NATURAL AND NATURALLY DERIVED PRODUCTS (non-naturals skip to section III)

A. Natural Products: with respect to the definition of natural for fragrances in international standard ISO 9235, 1997, Is this product or all the odoriferous components of this product:

1. Is product 100% Pure (Single botanical source) (one plant, one origin; not blended or diluted) YES NO
 Identify botanical source: _____
2. CAS # (if any): _____
3. Is product 100% Natural (derived only from natural sources) ? YES NO
4. Is product Blend of Naturals and Synthetic ? YES NO
5. Is product obtained by physical means or natural processes (expression, steam distillation, extraction by vegetable material, Natural alcohol, CO2..) and has not been chemically modified ? YES NO
6. Is product obtained by extraction or any process using synthetic /organic solvents or non natural gas? YES NO
 If yes, please identify and indicate % residue: _____
7. Is product obtained by codistillation using any solvent ? YES NO
 If yes, please identify and indicate %: _____
8. Does product contain any added antioxidants, diluents, colorants etc. YES NO
 If yes, please identify and indicate %: _____
 If yes, are these additives obtained from biological starting materials /by using physical means ? YES NO
9. Has your product been subject to any of the following means of microbiological control?: YES NO
 Addition of preservatives?
 If yes, please identify and indicate %: _____
- Irradiation? YES NO
 Use of gas? YES NO
 If yes, please identify and indicate % residue: _____

B. GMO CERTIFICATION

Our product/fragrance does not contain fragrance ingredients derived from Genetically Modified Organisms (GMO). However some technical aids, such as anti-oxidants or solvents, if used in this product/fragrance may originate from botanical species that are potentially genetically modified such as soy.

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III. REGULATORY STATUS OF INGREDIENTS

A.	1. USA			
	a. Ingredient(s) in compliance with section 5, TSCA?		Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
	b. Contains TSCA Low Volume Materials?		Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
	c. Contains any ingredient(s) subject to 12b under TSCA? If yes, please list ingredient(s): _____		Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
	2. EUROPE			
	a. Ingredient(s) listed on EINECS?		Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
	b. If no, are all non-EINECS ingredient(s) listed on ELINCS?		Yes <input type="checkbox"/>	No <input type="checkbox"/>
	REACH	It is IFF's intention to comply with all relevant REACH requirements to assure that the substances and preparations you purchase from IFF in the EU will be REACH compliant. Please be aware that IFF as a vendor can only support REACH compliance for products purchased from us in the EU. Ingredients in products purchased by you from IFF outside the EU and which you export to the EU will need to be (pre)registered by the importer that is based in the EU.		
	3. CANADA			
	a. Ingredient(s) listed on CDSL (Canadian Domestic Substances List)?		Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
	b. If no, are all non-CDSL ingredient(s) listed on NDSL (Non-Domestic Substances List)?		Yes <input type="checkbox"/>	No <input type="checkbox"/>
	c. Canada Ministerial Condition? _____			
	4. AUSTRALIA			
	a. Ingredient(s) listed on AICS (Australian Inventory of Chemical Substances)?		Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
	b. Contains AICS Low Volume Materials?		Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
	c. Restricted Ingredients? _____			
	5. PHILIPPINES			
	a. Ingredient(s) listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)?		Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
	b. Contains PICCS Low Volume Materials?		Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
	6. KOREA			
	Ingredient(s) listed on ECL (Korean Inventory of Existing Chemicals List)?		Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
	7. CHINA			
	Ingredient(s) listed on IECS (Chinese Inventory of Existing Chemicals Substances List)?		Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
	8. SWITZERLAND			
	Ingredient(s) listed on Swiss Giftliste 1 and Inventory of Notified New Substances?		Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
	9. NEW ZEALAND			
	Ingredient(s) listed on NZIoC (New Zealand Inventory of Chemicals)?		Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
	10. JAPAN			
	a. Ingredient(s) listed on ENCS (Japanese Existing and New Chemical Substances)?		Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
	b. Contains Japan ENCS Low Volume Materials?		Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
	c. Ingredient(s) listed on ISHL (Japanese Industrial Safety and Health Law)?		Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
	d. Contains Japan ISHL Low Volume Materials?		Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
		<i>Japan Type 1 Monitoring</i>	<i>Japan Type 2 Monitoring</i>	<i>Japan Type 3 Monitoring</i>
	11. OTHER			
	Other than above, is this product or any component of this product restricted in any country?		Yes <input type="checkbox"/>	No <input type="checkbox"/>
	Reason: _____			
B.	DEA			
		<i>LIST I Precursor Chemicals</i>	<i>LIST II Precursor Chemicals</i>	
C.	CALIFORNIA PROPOSITION 65			
	List Ingredients: _____			

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D. Safety aspects for handling, storage and transportation:

- 1. MSDS (OSHA: CFR 1910:1200): Attached In preparation Non-hazardous (per OSHA)
- 2. European MSDS equivalent: Attached In preparation Not available at present
- 3. Customs Tariff Number: 29.3229.50.500
- 5. Vapor Pressure (mmHg @ 25°C) < 0.01

IV. SAFETY ASPECTS FOR PERFUMERY USE

A. If the product contains any of the materials below please indicate the %:

	Restricted* Materials	Direct Add %	Indirect Add %
1.	Acetanilide 103-84-4 EINECS: 203-150-7	-	
2.	Acetyl Isoeugenol (Isoeugenyl Acetate) 93-29-8 EINECS: 202-236-1	-	
3.	Alkyl Phenols and Alkyl Phenol Ethoxylates (Identify):	-	
4.	Anethole 4180-23-8 EINECS: 224-052-0	-	-
5.	Animal Derived (indicate source). Please complete attached Certification		
	Bovine (Beef) Yes <input type="checkbox"/>		
	Ovine (Sheep) Yes <input type="checkbox"/>		
	Caprine (Goat) Yes <input type="checkbox"/>		
	Other Yes <input type="checkbox"/>	-	
	Harvested Ingredients (eg: Beeswax) (Identify):	-	
6.	Anise Seed Oil 8007-70-3, 84775-42-8 EINECS: 283-872-7	-	
7.	Bay Leaf Oil 8006-78-8, 85085-61-6 EINECS: 285-385-5	-	
8.	Benzyl acetate 140-11-4 EINECS: 205-399-7	-	-
9.	Calamus 8015-79-0, 84775-39-3 EINECS: 283-869-0	-	
10.	Camphor 76-22-2 EINECS: 200-945-0	-	-
11.	Camphor Oil 8008-51-3 EINECS: 295-980-1	-	
12.	Carvone Oxide 33204-74-9 EINECS: 251-405-6		
13.	Cinnamic Acid 140-10-3, 621-82-9 EINECS: 205-398-1, 210-708-3	-	
14.	Cinnamon Leaf Oil 8015-91-6, 84649-98-9, 72869-80-8 EINECS: 283-479-0	-	
15.	Cinnamyl Anthranilate 87-29-6 EINECS: 201-738-8	-	
16.	Citronella Oil 8000-29-1, 89998-15-2 EINECS: 289-753-6	-	
17.	Clove Oil 8000-34-8, 84961-50-2 EINECS: 284-638-7	-	
18.	Cyclamen Aldehyde 103-95-7 EINECS : 203-161-7	-	
19.	Diacetyl 431-03-8 EINECS: 207-069-8	-	-
20.	Ethoxy Ethanol, 2-, 110-80-5, 111-15-9 EINECS: 203-804-1, 203-839-2	-	
21.	Ethyl Phenyl Glycidate 121-39-1 EINECS: 204-467-3	-	
22.	Ethyl Vanillin 121-32-4 EINECS: 204-464-7	-	
23.	Eucalyptol 470-82-6 EINECS: 207-431-5	-	-
24.	Furfural 98-01-1 EINECS: 202-627-7	-	-
25.	Galbanum 8023-91-4, 9000-24-2 EINECS: 232-532-6	-	
26.	Geranium (Abs., oil) 8000-46-2, 90082-51-2 EINECS: 290-140-0	-	
27.	Geranyl Acetate 105-87-3 EINECS: 203-341-5	-	-
28.	Glycol Ethers & Glycol Ether Esters (Identify):	-	
29.	Guaiacol 90-05-1 EINECS: 201-964-7	-	-
30.	Halogenated (Identify):	-	-
31.	Hay Oil 8031-00-3, 100209-32-3 EINECS: 309-340-7	-	
32.	Heliotropin 120-57-0 EINECS: 204-409-7	-	
33.	Hercolyn 8050-15-5 EINECS: 232-476-2	-	
34.	Hydroxycitronellal Dimethyl Acetal 141-92-4 EINECS: 205-510-9	-	
35.	Lavender (Abs., Oil) 8000-28-0, 84776-65-8 EINECS: 283-994-0	-	
36.	Lavandin Oil 8022-15-9, 93455-96-0 EINECS: 297-384-7	-	

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IV. SAFETY ASPECTS FOR PERFUMERY USE (con't)

A. If the product contains any of the materials below please indicate the %:

	Restricted* Materials	Direct Add %	Indirect Add %
37.	Lemongrass Oil 8007-02-1, 89998-14-1 EINECS: 289-752-0	-	
38.	Litsea Cubeba 68855-99-2, 90063-59-5 EINECS: 290-018-7	-	
39.	Macrocyclic Musks (Identify)		
		-	
40.	Menthol 89-78-1, 2216-51-5 EINECS 201-939-0, 2216-51-5	-	-
41.	Methyl Heptyl Ketone 821-55-6 EINECS: 212-480-0	-	
42.	Methyl Isoeugenol 93-16-3 EINECS: 202-224-6	-	
43.	Narcissus 8023-75-4, 90064-26-9, 68917-12-4 EINECS: 290-086-8, 290-087-3	-	
44.	Nitriles (Identify):		
		-	
45.	Nitromusks (Identify):		
		-	
46.	Nonanal Dimethyl Acetal 18824-63-0 EINECS: 242-603-3		
47.	Nut Oils & Nut Derivatives	-	
48.	Orange Flower Abs. 8008-57-9, 97766-30-8, 8028-48-6, 68514-75-0 EINECS: 307-891-8, 232-433-8	-	
49.	Orris Products	-	
50.	Patchouli Oil 8014-09-3, 84238-39-1, 73049-67-9, 73049-85-1 EINECS: 282-493-4	-	
51.	Perilla Oil 68132-21-8, 90082-61-4 EINECS: 290-151-0	-	
52.	Phenyl Acetaldehyde Acetals	-	
53.	Phenyl Ethyl Acetate 101-97-3 EINECS: 202-993-8	-	
54.	Phoenicea Oil 68916-94-9, 90046-03-0 EINECS: 289-970-6	-	
55.	Phthalates (Identify):		
		-	-
56.	Pimento Oil 8006-77-7, 84929-57-7 EINECS: 284-540-4	-	
57.	Pinene/alpha 80-56-8 EINECS: 201-291-9	-	-
58.	Pinene/beta 127-91-3 EINECS: 204-872-5	-	-
59.	Polycyclic Musks (Identify):		
		-	-
60.	Resorcinol 108-46-3 EINECS: 203-585-2	-	
61.	Rose (specify) 8007-01-0, 84604-12-6, 90106-38-0 EINECS: 283-289-8, 290-260-3	-	
62.	Salicylates (Identify):		
		-	-
63.	Sandalwood 8006-87-9, 84787-70-2, 84650-41-9 EINECS: 284-111-1, 283-511-3	-	
64.	Sandela (BC) 70955-71-4 EINECS: 275-062-7	-	
65.	Sandiff (CC) 68877-29-2 EINECS: 272-556-4	-	
66.	Santalol 11031-45-1, 115-71-9, 77-42-9 EINECS: 234-262-4	-	
67.	Spearmint Oil 8008-79-5, 84696-51-5 EINECS: 283-656-2	-	
68.	Styrallyl Alcohol 98-85-1 EINECS: 202-707-1	-	
69.	Thyme 8007-46-3, 84776-98-7, 85085-75-2, 84929-51-1 EINECS: 284-023-3, 285-397-0, 284-535-7	-	
70.	Tonka Bean 8046-22-8, 8024-04-2 EINECS: 232-460-5	-	
71.	Trimeth Cyclohexene – Carboxaldehydes (Identify):		
		-	
72.	Undecanone, 2-, 112-12-9 EINECS: 203-937-5	-	-
73.	Undecylenic Acid & Esters 112-38-9 EINECS: 203-965-8	-	
74.	Vetiver Oil 8016-96-4, 84238-29-9, 68917-65-7 EINECS: 282-490-8	-	
75.	Violet Leaf 8024-08-6, 90147-36-7 EINECS: 290-427-0	-	
	COMMON SOLVENTS OR DILUENTS		
76.	Carbitol 111-90-0 EINECS: 203-919-7	-	
77.	Diethyl Phthalate 84-66-2 EINECS: 201-550-6	-	-
78.	Dipropylene Glycol 110-98-5 EINECS: 203-821-4	-	
79.	Hexylene Glycol 107-41-5 EINECS:203-489-0	-	

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IV. SAFETY ASPECTS FOR PERFUMERY USE (con't)

A. If the product contains any of the materials below please indicate the %:

	Restricted* Materials	Direct Add %	Indirect Add %
80.	Isopropyl Myristate 110-27-0 EINECS:203-751-4	-	-
81.	Phenyl Ethyl Alcohol 60-12-8 EINECS: 200-456-2	-	-
82.	Propylene Glycol 57-55-6 EINECS: 200-338-0	-	-
83.	Triethyl Citrate 77-93-0 EINECS: 201-070-7	-	-
84.	Solvents/Diluents (other than identified above) (Identify):		
	Antioxidants and Other Additives		
85.	BHA 121-00-6, 25013-16-5 EINECS: 204-442-7, 246-563-8	-	-
86.	BHT 128-37-0 EINECS: 204-881-4	-	-
87.	Alpha-Tocopherol	-	-
88.	Natural Tocopherols	-	-
89.	Methyl Di-t-butyl-4-hydroxyhydrocinnamate (Methylox) 6386-38-5 EINECS: 228-985-4	-	-
90.	Tertiary Butylhydroquinone 1948-33-0 EINECS: 217-752-2	-	-
91.	Other Antioxidants (Identify):	-	-
92.	Colorants (Identify):	-	-
93.	Emulsifiers (Identify):	-	-
94.	Preservatives (Identify):	-	-
	ANNEX LISTED MATERIALS OF THE EU COSMETICS DIRECTIVE 76/768/EEC:	%	
95.	Furocoumarin Content:		
	5-Methoxy Psoralen 484-20-8 EINECS: 207-604-5		
	Bergamottin 7380-40-7		
	Byacangelicol 482-25-7		
	Epoxybergamottin		
	Isopimpinellin 482-27-9		
	Oxypeucedanin 737-52-0		
	8-Methoxy Psoralen 298-81-7 EINECS: 206-066-9		
	Imperatorin 482-44-0 EINECS: 207-581-1		
96.	Other Annex Listed Materials (Identify):	-	-
97.	CMR's (Identify):	-	-
98.	CITES (Identify):		
	Appendix II:		
	Appendix III:		
99.	JAPAN COSMETICS		
	Appendix I:		
	Appendix II:		
	Appendix III:		
	Appendix IV:		
100.	CANADA HOT LIST		
	*Restricted - Some customers and/or regulatory agencies either limit or restrict the use of the materials listed		

IV. SAFETY ASPECTS FOR PERFUMERY USE (cont.)

B. This material complies with the most current IFRA Guidelines? (IFRA 45) Yes No
 According to the upcoming IFRA 45th amendment implementation, please find the completed tables below:

C. Toxicity Data: **SEE RIFM Monograph: 1004 (Published 1982: FCT,v20,p781, Special Issue VI)**

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IV. SAFETY ASPECTS FOR PERFUMERY USE (con't)
Restricted Fragrance Allergens

Ingredient Name	% Direct (added as such)	% from Naturals	% Impurities (from synthetics)	% Total
alpha-Amyl Cinnamic Aldehyde (122-40-7)	-		-	0
alpha-Amyl Cinnamic Alcohol (101-85-9)	-		-	0
Anisyl Alcohol (105-13-5)	-	-	-	0
Benzyl Alcohol 100-51-6)	-	-	-	0
Benzyl Benzoate (120-51-4)	-	-	-	0
Benzyl Cinnamate (103-41-3)	-	-	-	0
Benzyl Salicylate (118-58-1)	-	-	-	0
Cinnamic Alcohol (104-54-1)	-	-	-	0
Cinnamic Aldehyde (104-55-2)	-	-	-	0
Citral (mixture of neral + geranial) (5392-40-5)	-	-	-	0
Citronellol (106-22-9)	-	-	-	0
Coumarin (91-64-5)	-	-	-	0
Eugenol (97-53-0)	-	-	-	0
Farnesol (4602-84-0)	-	-	-	0
gamma-Methyl Ionone (127-51-5)	-		-	0
Geraniol (106-24-1)	-	-	-	0
Hexyl Cinnamic Aldehyde (101-86-0)	-		-	0
Hydroxyisohexyl 3-Cyclohexene Carboxaldehyde (31906-04-4)	-		-	0
Hydroxycitronellal (107-75-5)	-		-	0
Iso Eugenol (97-54-1)	-	-	-	0
Butylphenyl Methylpropional (80-54-6)	-		-	0
Limonene (5989-27-5)/(138-86-3)/(5989-54-8)	-	-	-	0
Linalool (78-70-6)	-	-	-	0
Methyl Heptine Carbonate (111-12-6)	-		-	0
Oakmoss (68917-10-2/90028-68-5)	-		Resinic Acid Level: Atranol Level: Chloratranol level:	0
Treemoss (68648-41-9 90028-67-4)	-		Resinic Acid Level: Atranol Level: Chloratranol level:	0

IFRA 45th Amendment restricted substances (other than allergens)

Name	CAS	% Direct (added as such)	% from Naturals	% Impurities (from synthetics)	% Total
Abietic acid	514-10-3	-	-	-	0
Allyl esters		-			0
AHMI (Phantolide)	15323-35-0	-			0
Allyl Phenoxyacetate	7493-74-5	-			0
Benzaldehyde	100-52-7	-	-	-	0
Benzenepropanal, 4-methoxy-alpha-methyl	5462-06-6	-			0
Benzyl cyanide	140-29-4	-	-	-	0

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Bourgeonal	18127-01-0	-			0
Carvone	99-49-0	-	-	-	0
Cinnamic aldehyde dimethyl acetal	4364-06-1	-		-	0
Cinnamyl nitrile	4360-47-8	-			0
Cis/trans asarone	5273-86-9 / 2883-98-9	-	-		0
Creosol	93-51-6	-	-	-	0
Cyclamen alcohol	4756-19-8	-			0
Damascenone	23696-85-7	-	-	-	0
Damascone alpha	43052-87-5	-			0
Damascone beta	23726-92-3, 23726-91-2	-			0
Damascone delta	57378-68-4	-			0
Damascone gamma	35087-49-1	-			0
Damascone Iso	39872-57-6, 33673-71-1, 70266-48-7	-			0
Dibenzyl ether	103-50-4	-			0
Dimethylcyclohex-3-ene-1-carboxaldehyde (mixed isomers)	68737-61-1, 68039-49-6, 68039-48-5, 27939-60-2, 67801-65-4	-			0
Dimethylcyclohexenepentenone (Dynascone/Galbascone)	56973-85-4	-			0
Dihydrosafrol	94-58-6	-	-		0
Dimethyl anthranilate	85-91-6	-	-	-	0
Estragole	140-67-0	-	-	-	0
2-Ethoxy-4-methylphenol	2563-07-7	-			0
Helional (alpha-Methyl-1,3-benzodioxole-5- propionaldehyde)(MMDHCA)	1205-17-0	-			0
trans-2-Hexenal	6728-26-3	-	-	-	0
Hexyl salicylate	6259-76-3	-			0
Hexylidene cyclopentanone	17373-89-6	-			0
Iso E super	54464-57-2	-			0
Isobergamate	68683-20-5	-			0
Isobutyl N-methylanthranilate	65505-24-0	-			0
p-Isobutyl-alpha-methyl Hydrocinnamal	6658-48-6	-			0
Isocyclocitral	1335-66-6	-			0
Isocyclogeraniol	68527-77-5	-			0
Isosafrol	120-58-1	-	-	-	0
Majantol	103694-68-4	-			0
7-Methoxycoumarin	531-59-9	-	-		0
Scentenal	86803-90-9	-			0
Methyl beta naphthyl ketone	93-08-3	-			0
Methyl cinnamic aldehyde	101-39-3	-			0
Methyl eugenol	93-15-2	-	-	-	0
Methyl heptadienone	1604-28-0	-			0
Methyl ionones, mixed isomers	1335-46-2	-		-	0
Methyl octine carbonate	111-80-8	-		-	0
p-Methyltetrahydroquinoline	91-61-2	-			0
Nootkatone	4674-50-4	-			0
1-Octen-3-yl acetate	2442-10-6	-	-	-	0
Perilla aldehyde	2111-75-3	-	-	-	0
Phenyl acetaldehyde	122-78-1	-	-	-	0
3-Phenylbutanal	16251-77-7	-			0
2-Phenylpropionaldehyde	93-53-8	-			0

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Polynuclear Aromatic Hydrocarbons (PAHs)				-	0
Propylidene phthalide	17369-59-4	-			0
Pseudomethylionone	26651-96-7, 72968-25-3, 1117-41-5	-			0
Pseudoionone	141-10-6	-			0
Safranal	116-26-7	-	-	-	0
Safrol	94-59-7	-	-	-	0
Sclareol	515-03-7	-	-	-	0
1,2,3,4-Tetrahydro-4-methylquinoline	19343-78-3				0
Vanillin	121-33-5	-	-	-	0

IFRA 45th Amendment restricted naturals

Name	CAS	%	Name	CAS	%
Angelica root oil	8015-64-3	-	Opoponax	8021-36-1 9000-78-6	-
Bergamot oil expressed	8007-75-8	-	Peru balsam ext. and distillates	8007-00-9	-
Birch wood oil, distillates	8001-88-5 84012-15-7 85940-29-0 68917-50-0	-	Petitgrain Mandarin oil	8014-17-3	-
Bitter orange peel oil expressed	68916-04-1 72968-50-4	-	Rue oil	8014-29-7 84929-47-5	-
Cade oil, distillates	8013-10-3 90046-02-9	-	Savin oil, <i>Juniperus phoenicea L.</i>	8024-00-8	
Cumin oil	8014-13-9	-	Styrax	8046-19-3 8024-01-9	-
Grapefruit oil expressed	8016-20-4 90045-43-5	-	Tagetes oil and absolutes	91722-29-1 8016-84-0	-
Jasmine Grandiflorum	8022-96-6 8024-43-9 90045-94-6 84776-64-7	-	Tea leaf absolute	84650-60-2	-
Jasmin Sambac	91770-14-8	-	Verbena absolute	8024-12-2 117-98-6	-
Lemon oil cold pressed	8008-56-8 84929-31-7	-	Vetiver oil acetylated (Vetiveryl Acetate)	84082-84-8 72230-87-6 84082-84-8	-
Lime oil expressed	8008-26-2 90063-52-8	-	Ylang ylang	8006-81-3 68606-83-7 83863-30-3	-
Melissa oil (geniune Melissa officinalis L.)	8014-71-9 84082-61-1	-			

IFRA 45th Amendment prohibited materials

Does this product contain any material prohibited or not recommended by IFRA 45th amendment? Yes No

If yes, please specify and indicate percent (see list on following page):

FRAGRANCE PRODUCT INFORMATION SHEET
IV. SAFETY ASPECTS FOR PERFUMERY USE (con't)
List of materials either prohibited or not "recommended for use" by IFRA 45th amendment

Acetyl ethyl tetramethyl tetralin (AETT, Versalide)	88-29-9	2,4-Heptadienal	5190-85-0
Acetyl isovaleryl (5-Methyl-2,3-hexanedione)	13706-86-0	trans, trans, 2,4-Heptadienal	4313-03-5
Allantroot oil (Elecampane oil)	97676-35-2	trans-2-Heptenal	18829-55-5
Allyl heptin carbonate	73157-43-4	2,4 Hexadienal	80466-34-8
Allylisothiocyanate	57-06-7	trans, trans, 2,4 Hexadienal	142-83-6
Amyl cyclopentenone	25564-22-1	trans, cis, 2,4 Hexadienal	53398-76-8
Anisylidene acetone (4-(4-methoxyphenyl)-3-buten-2-one)	943-88-4	Hexahydrocoumarin	700-82-3
cis-beta Asarone ((Z)-2,4,5-Trimethoxypropen-1-yl benzene)	5273-86-9	trans-2-Hexenal diethyl acetal	67746-30-9
trans Asarone ((E)-1,2,4-trimethoxy-5-prop-1-enylbenzene)	2883-98-9	trans-2-Hexenal dimethyl acetal	18318-83-7
Benzene (directly added, not indirectly added from naturals or as synthetic impurity)	71-43-2	Hydroabietyl alcohol (Abitol)	13393-93-6
Benzyl cyanide (directly added, not indirectly added from naturals)	140-29-4	Hydroabietyl alcohol (Abitol)	1333-89-7
Benzylidene acetone (4-Phenyl-3-buten-2-one)	122-57-6	Hydroquinone monoethylether (4-Ethoxy phenol)	622-62-8
Birch wood (bark) pyrolysates (oils), crudes (not rectified or distilled)	8001-88-5	Hydroquinone monomethylether (4-Methoxy phenol)	150-76-5
Birch wood (bark) pyrolysates (oils), crudes (not rectified or distilled)	85940-29-0	Isophorone	78-59-1
Birch wood (bark) pyrolysates (oils), crudes(not rectified or distilled)	84012-15-7	6-Isopropyl-2-decalol	34131-99-2
Boldo leaf oil	8022-81-9	Massoia bark oil	85085-26-3
Boldo leaf oil	84649-96-7	Massoia lactone	54814-64-1
3-Bromo-1,7,7-trimethylbicyclo[2.2.1]heptane-2-one	76-29-9	7-Methoxycoumarin (directly added, not indirectly added from naturals)	531-59-9
Bromstryene	103-64-0	alpha-Methyl anisylidene acetone (1-(4-Methoxyphenyl)-1-penten-3-one)	104-27-8
p-tert-Butylphenol	98-54-4	6-Methyl coumarin (Toncarine)	92-48-8
Cade oils, crude (not rectified or distilled)	8013-10-3	7-Methyl coumarin	2445-83-2
Cade oils, crude(not rectified or distilled)	90046-02-9	Methyl crotonate	623-43-8
Carvone oxide	33204-74-9	4-Methyl-7-ethoxycoumarin (Maraniol)	87-05-8
Chenopodium oil	8006-99-3	Methyl methacrylate	80-62-6
Chenopodium oil	89997-47-7	3-Methyl-2 (3)-nonenenitrile	53153-66-5
Cinnamylidene acetone	4173-44-8	Moskene	116-66-5
Colophony	8050-09-7	Musk ambrette	83-66-9
Costus root oil, absolute and concrete	8023-88-9	Musk tibetine	145-39-1
Costus root oil, absolute and concrete	90106-55-1	Musk xylol	81-15-2
Cyclamen alcohol (3-(4-Isopropylphenyl)-2-methylpropanol)	4756-19-8	Nitrobenzene	98-95-3
2,4-Decadienal	2363-88-4	2,4-Nonadienal	6750-03-4
trans, trans, 2,4-Decadienal	25152-84-5	trans, trans, 2,4-Nonadienal	5910-87-2
1,3-Dibromo-2-methoxy-4-methyl-5-nitrobenzene (Musk KS)	62265-99-0	Pentylidene cyclohexanone	25677-40-1
1,3-Dibromo-4-methoxy-2-methyl-5-nitrobenzene (Musk alpha)	No CAS	Peru balsam (exudation from Myroxylon pereirae (Royle) Klotzsch) (not extract or rectified or distilled)	8007-00-9
2,2-Dichloro-1-methylcyclopropylbenzene	3591-42-2	Phenyl acetone (Methyl benzyl ketone)	103-79-7
Diethyl maleate	141-05-9	Phenyl benzoate	93-99-2
Dihydroabietyl alcohol	26266-77-3	Pseudoionone (2,6-Dimethylundeca-2,6,8-trien-1-one)	141-10-6
Dihydrocoumarin (Melilotine)	119-84-6	Pseudomethylionones	26651-96-7
2,4-Dihydroxy-3-methyl-benzaldehyde	6248-20-0	Pseudomethylionones	72968-25-3
4,6-Dimethyl-8-t-butyl coumarin (Butolia)	17874-34-9	Pseudomethylionones	1117-41-5
Dimethyl citraconate (cis-Methylbutenedioic acid, dimethyl ester)	617-54-9	Quinoline	91-22-5
3,7-Dimethyl-2-octen-1-ol (6,7-Dihydrogeraniol)	40607-48-5	Safrole, , (directly added, not indirectly added from naturals)	94-59-7
Diphenyl amine	122-39-4	Isosafrole (directly added, not indirectly added from naturals)	120-58-1
Esters of 2-nonynoic acid, except methyl octine carbonate	Various	Dihydrosafrole (directly added, not indirectly added from naturals)	94-58-6
Esters of 2-octynoic acid, except meth and allyl heptene carbonate		Santolina oil	84961-58-0
Ethyl acrylate	140-88-5	Savin Oil (Juniperus savina L.)	8024-00-8
Ethylene glycol monoethyl ether	110-80-5	Styrax gums, crude (not extract or rectified or distilled)	8024-01-9
Ethylene glycol monoethyl ether acetate	111-15-9	Styrax gums, crude (not extract or rectified or distilled)	8046-19-3
Ethylene glycol monomethyl ether	109-86-4	Styrax gums, crude (not extract or rectified or distilled)	94891-27-7
Ethylene glycol monomethyl ether acetate	110-49-6	Styrax gums, crude (not extract or rectified or distilled)	94891-28-8
Fig leaf absolute	68916-52-9	Toluene (directly added, not indirectly added from naturals or as synthetic impurity)	108-88-3
Fig leaf absolute	90028-74-3	2,4-Undecadienal	13162-46-4
Furfuryl alcohol	98-00-0	trans, trans, 2,4-Undecadienal	30361-29-6
Furfurylideneacetone	623-15-4	Verbena oil	8024-12-2
Geranyl nitrile	5146-66-7, 5585-39-7, 31983-27-4	Verbena oil	85116-63-8

FRAGRANCE PRODUCT INFORMATION SHEET

IV. SAFETY ASPECTS FOR PERFUMERY USE (con't)

V. TSE/BSE CERTIFICATION:

WE CERTIFY that the applicable ingredient is obtained from:

- | | | |
|---|---|--|
| 1 - Synthetic source: | YES <input checked="" type="checkbox"/> | NO <input type="checkbox"/> |
| 2 - Botanical source: | YES <input type="checkbox"/> | NO <input checked="" type="checkbox"/> |
| a. If YES, are animal ingredients used in the process? and/or | YES <input type="checkbox"/> | NO <input type="checkbox"/> |
| b. Are animal derived* ingredients used? | YES <input type="checkbox"/> | NO <input checked="" type="checkbox"/> |
| 3 - Animal source: | YES <input type="checkbox"/> | NO <input checked="" type="checkbox"/> |

If the answer was YES to 1 - 2a, 2b, or 3, please complete the following:

1 - Type of animal: Bovine Ovine Caprine Other (Please specify):

2 - Please specify which body part(s) is used:

3 - Country of origin:

4 - This ingredient is completely free of Specified Risk Material (SRM) as defined in the Annex to 98/16/EC**:
 YES No

OR

5 - The process times and the process conditions used in the initial production of this ingredient are:

a. In accordance with the Annex to 98/16/EC: YES No

*animal derivatives include any of the following materials that may be derived from animal tissue: [tallow and tallow derivatives such as fatty acids, fatty acid esters, fatty alcohols fatty amines, fatty amides, soaps, and glycerol.](#)


** Specified Risk Material (SRM) as defined in Annex of Article 1 of 98/16/EC (5 March 1998)

VI. VENDOR GUARANTEE

IFF declares that the information contained in this survey will apply to all shipments of this product.

VII. SIGNATURES

John R. Helm – Sr. Regulatory Compliance Manager
 Print Name and Title


 Signature