

EXPERT PANEL FOR FRAGRANCE SAFETY MEETING

DRAFT AGENDA

September 23-25, 2019

Weehawken, New Jersey

Start 9:00 AM

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|---|-------------------|
| 1) Discussion of the Meeting Schedule and Agenda Topics | DVB |
| a) Completion/Signing of Conflict of Interest Statement | AMA |
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| 2) Minutes (Tab 01) (Tab 02) (Tab 03) (Tab 04) (Tab 05a) (Tab 05b) (Tab 06) (Tab 07) (Tab 08) (Tab 09) AMA | |
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| 3) Follow-Up and Informational Items | |
| a) Follow-Up List (10) | AMA |
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| 4) Standing Items (For Expert Panel information only; per Panel's request) | |
| a) RIFM Publications (Tab 11) | AMA |
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| 5) RIFM Communication | |
| a) RIFM communication update | JR |
| b) Mr. Gary Sullivan Presentation Update to safety assessment publication | GS |
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| 6) Dr. Christopher J. Borgert, President & Principal Scientist, Applied Pharmacology and Toxicology, Inc. Presentation on Endocrine Disruptors (Monday September 23) | |
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| 7) RIFM Safety Evaluation Process | |
| a) Presentation RIFM Safety Assessment Update and Metrics | DB |
| b) Update on Low Exposure Materials manuscript | AMA |
| c) Safety Assessment Overview (Tab 12) | (DB/Staff) |
| i) (98 Total Safety Assessments including 117 Total materials) | |
| d) General Comments | |
| i) Presentation by S. Gadhia on comparison of dermal absorption (Tab 13) | SG |
| e) Geraniol & Nerol Updated Assessments | |
| i) Geraniol CAS 106-24-1 (Tab 14) | |
| ii) Nerol CAS 106-25-2 (Tab 15) | |
| (1) Geraniol and Nerol Read Across | |
| (a) Geranyl acetate, CAS 105-87-3 (Tab 16) | |
| (b) dl-Citronellol, CAS 106-22-9 (Tab 17) | |

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- (c) Phytol, CAS 150-86-7 (Tab 18)
- (d) 2,6,10-Trimethylundeca-5,9-dienol, CAS 24048-14-4 (Tab 19)
- (e) Farnesol, CAS 4602-84-0 (Tab 20)
- (f) Geranyl crotonate, CAS 56172-46-4 (Tab 21)
- (g) Geranyl tiglate, CAS 7785-33-3 (Tab 22)

8) Update on QRA2 Implementation

- a) Dr. Frank Gerberick Presentation on QRA for NCSs including a DST for HPCs (Tuesday morning) (Tab 23) (Tab 24) AMA/MN

9) NCS Safety Assessments

- a) Review general approach (Tab 25)
- b) General proposals for NCS Safety Assessments (Tab 26)
- c) First Draft Safety Assessment Review
 - i) Petitgrain oil Terpeneless, Paraguay (Tab 27)
 - ii) Petitgrain oil terpenes, Paraguay (Tab 28)
 - iii) Petitgrain oil, Paraguay (Tab 29)

10) Review Safety Assessments Batch 1

CAS	Name	Tab
33885-52-8	alpha,alpha,6,6-Tetramethylbicyclo[3.1.1]hept-2-ene-2-propionaldehyde	Tab 30
1193-81-3	1-Cyclohexylethanol	Tab 31
10528-67-3	alpha-methyl-cyclohexanepropanol	Tab 32
79771-15-6; 94248-21-2	4,7-Methano-1H-inden-5-ol, 3a,4,5,6,7,7a-hexahydrodimethyl-	Tab 33
61444-38-0	cis-3-Hexenyl cis-3-hexenoate	Tab 34
68922-14-5; 108419-35-8; 84712-50-5	1-Nonanol, 2,4,6,8-tetramethyl-,acetate	Tab 35
104468-21-5	2,2-Dimethyl-3-methyl-3-butenyl propanoate	Tab 36

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15848-49-4	2-Cyclopentene-1-acetic acid, ethyl ester	Tab 37
607-88-5	p-Cresyl salicylate	Tab 38
627-93-0	Dimethyl adipate	Tab 39
104986-28-9	Hexanoic acid, 6-(acetyloxy)-, ethyl ester	Tab 40
1984-60-7	2-Hydroxyethyl phenoxyacetate	Tab 41
774-55-0	1-(5,6,7,8-tetrahydro-2-naphthalenyl)ethanone	Tab 42
68259-33-6	1-[5(Or 6)-Methyl-7(or 8)-(1-methylethyl)bicyclo[2.2.2]oct-5-en-2-yl]ethan-1-one	Tab 43
14576-08-0	4-(1-Methoxy-1-methylethyl)-1-methylcyclohexene	Tab 44
69103-20-4	2,2-Dimethyl-3-(3-methyl-2,4-pentadienyl)oxirane	Tab 45
131766-73-9	Tetrahydro-4-methyl-2-propyl-2H-pyran-4-yl acetate	Tab 46
68480-11-5	Decahydrospiro[furan-2(3H),5'-[4,7]methano[5H]indene]	Tab 47
22457-23-4	5-Methyl-3-heptanone oxime	Tab 48
996-97-4	N,N-Diethyloctamide	Tab 49
852379-28-3	N-p-Benzeneacetonitrilementhane carboxamide	Tab 50
1374760-95-8	2-(4-Methylphenoxy)-N-(1H-pyrazol-3-yl)-N-(thiophen-2-ylmethyl)acetamide	Tab 51
107-85-7	Isopentylamine	Tab 52
98-52-2; 21862-63-5	4-tert-Butylcyclohexanol	Tab 53
68133-79-9	2-(3,7-Dimethyl-2,6-octadienyl)cyclopentanone	Tab 54
5320-75-2	Cinnamyl benzoate	Tab 55
2444-46-4	Nonanoyl 4-hydroxy-3-methoxybenzylamide	Tab 56
67634-25-7; 67634-26-8	3,5-Dimethylcyclohex-3-ene-1-methyl acetate	Tab 57
142-62-1	Hexanoic acid	Tab 58

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124-07-2	Octanoic acid	Tab 59
112-05-0	Nonanoic acid	Tab 60
334-48-5	Decanoic acid	Tab 61
143-07-7	Lauric acid	Tab 62
57576-09-7	Isopulegyl acetate	Tab 63
20777-49-5	Dihydrocarvyl acetate	Tab 64
19089-92-0	n-Hexyl 2-butenate	Tab 65
7392-19-0; 13837-56-4	2,2,6-Trimethyl-6-vinyltetrahydropyran	Tab 66

11) Review Safety Assessments Batch 2

CAS	Name	Tab
21722-83-8	Cyclohexaneethyl acetate	Tab 67
67634-22-4	2,4-Dimethylcyclohexylmethyl acetate	Tab 68
236391-76-7	Acetic acid, (1-oxopropoxy)-, 1-(3,3-dimethylcyclohexyl)ethyl ester	Tab 69
5533-03-9	Methyl vanillyl ether	Tab 70
13184-86-6	Vanillyl ethyl ether	Tab 71
82654-98-6	Vanillyl butyl ether	Tab 72
1815-99-2	pyridine, 4-decyl-	Tab 73
72403-67-9	Myraldyl acetate	Tab 74
68683-20-5	Menthadiene-7-methyl formate	Tab 75
1330-20-7	Xylene (mixed)	Tab 76
99-87-6	p-Cymene	Tab 77
98-51-1	4-tert-Butyltoluene	Tab 78

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97-42-7; 1205-42-1	Carvyl acetate	Tab 79
6728-26-3; 16635-54-4; 505-57-7	trans-2-Hexenal	Tab 80
119-84-6	Dihydrocoumarin	Tab 81
7780-06-5	Isopropyl cinnamate	Tab 82
4674-50-4	Nootkatone	Tab 83
1049017-63-1; 1049017-68-6	3-Cyclohexene-1-carboxaldehyde, 1-ethenyl-	Tab 84
10138-32-6	(±)-Bicyclo[2.2.1]hept-5-ene-2-car boxylic acid, ethyl ester	Tab 85
194934-66-2	6,10-Dodecadienal, 3,7,11-trimethyl-, (3S,6E)-	Tab 86
2120-70-9	Phenoxyacetaldehyde	Tab 87
111-84-2	Nonane	Tab 88
124-18-5	Decane	Tab 89
1120-21-4	Undecane	Tab 90
112-40-3	Dodecane	Tab 91
71078-31-4	1-Oxaspiro[4.5]deca-3,6-diene, 2,6,9,10-tetramethyl-	Tab 92
79893-63-3	1-Oxaspiro[4.5]deca-3,6-diene, 6-ethyl-2,10,10-trimethyl-	Tab 93
89079-92-5	1-Oxaspiro[4.5]deca-3,6-diene, 2,7-dimethyl-10-(1-methylethyl)-	Tab 94
109-94-4	Ethyl formate	Tab 95
141-78-6	Ethyl acetate	Tab 96
623-42-7	Methyl butyrate	Tab 97
105-37-3	Ethyl propionate	Tab 98
109-60-4	Propyl acetate	Tab 99
624-24-8	Methyl valerate	Tab 100
105-54-4	Ethyl butyrate	Tab 101

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106-36-5	Propyl propionate	Tab 102
123-86-4	Butyl acetate	Tab 103
539-82-2	Ethyl valerate	Tab 104
105-66-8	Propyl butyrate	Tab 105
628-63-7	Pentyl acetate	Tab 106
109-21-7	Butyl butyrate	Tab 107
540-18-1	Amyl butyrate	Tab 108
2173-56-0	Amyl valerate	Tab 109
1365-19-1; 60047-17-8	Linalool oxide	Tab 110
60763-41-9	alpha-Amyl cinnamic aldehyde diethyl acetal	Tab 111
91-87-2	alpha-Amylcinnamaldehyde dimethyl acetal	Tab 112
2349-07-7	Hexyl isobutyrate	Tab 113
10032-15-2	Hexyl 2-methylbutyrate	Tab 114
10032-13-0	Hexyl isovalerate	Tab 115
109-15-9	Octyl isobutyrate	Tab 116
7786-58-5	Octyl isovalerate	Tab 117
14436-32-9	9-Decenoic acid	Tab 118
112-38-9	10-Undecenoic acid	Tab 119
10458-14-7; 1074-95-9; 1196-31-2; 14073-97-3; 491-07-6; 89-80-5	Menthone	Tab 120
499-70-7; 59471-80-6	p-Menthan-2-one	Tab 121
1078-95-1	Pinocarvyl acetate	Tab 122
60335-71-9; 60335-74-2	3,6-Dihydro-4-methyl-2-phenyl-2H -pyran	Tab 123

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1197-01-9	p-alpha,alpha-Trimethylbenzyl alcohol	Tab 124
1759-28-0	4-Methyl-5-vinylthiazole	Tab 125
76649-17-7	2-?Pentenoic acid, 2-?methyl-?, (3Z)?-?3-?hexen-?1-?yl ester	Tab 126
67883-79-8; 84060-80-0	cis-3-Hexenyl tiglate	Tab 127

12) Presentation by J McKim (Ionotox) - Multiple Organ Integrated In Vitro Model for Studying Repeated Dose Toxicity (Wednesday morning) (Tab 128) (Tab 129) (Tab 130)

13) RIFM Research Projects

- a) Epidemiology
 - i) Validation of Clinical Relevance Algorithm **MB**
- b) Draft Blue Screen manuscript (**Tab 131**)
- c) Read Across manuscript (**Tab 132**)
- d) **Presentation on several skin sensitization research projects – webinar with F. Gerberick Tuesday morning**
- e) **Presentation by A. Lapczynski on environmental framework and research projects**
- f) **Presentation by M. Na on the kinetics DPRA project and the recategorization of skin sensitizers**
- g) **Presentation by Y. Tokura on Phototoxicity and photoallergenicity assessments of chemicals**

14) Presentation by S Blythe – Industry Trends (Wednesday morning)

15) Expert Panel Executive Session

16) Future Meeting Dates

- Monday – Wednesday Jan. 20-22, 2020 Delhi, India
- Thursday Jan. 23, 2020 INFOX in India - Delhi, India
- Monday – Wednesday May 18-20, 2020 Chicago
- Monday – Wednesday Sept. 21-23, 2020 New Jersey
- Wednesday – Friday Jan. 20-22, 2021 Puerto Rico
- Monday – Wednesday May 30-June 2, 2021 Lisbon

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