

SUPPLEMENTARY MATERIAL 2

TABLE S1. Weighted average frequency of irritation reactions in human patch tests (vehicle: petrolatum, different concentrations of the substance)

No.	Name of the ingredient	Concentration (%)	Frequency of IR* (%)	References
1	Anise alcohol	1	0.43	Schnuch 2007; Uter 2010
2	Anise alcohol	5	2.99	Larsen 1996
3	Benzyl salicylate	1	0.39	Heisterberg 2011; Schnuch 2007; Uter 2010
4	Benzyl salicylate	2	2.99	Larsen 1996
5	Benzyl salicylate	5	2.99	Larsen 1996
6	Bronopol	0.25	0.50	Jong 2007; Davis 2008
7	Bronopol	0.50	0.53	Frosch 1990; Schnuch 1998; Wentworth 2014
8	Bronopol	1.50	0.28	Dinkloh 2015
9	Butylphenyl methylpropional	5	1.20	Larsen 1996
10	Butylphenyl methylpropional	10	0.32	Heisterberg 2011; Schnuch 2007; Uter 2010
11	Diazolidinyl urea	1	0.41	Wentworth 2014; Davis 2008
12	Diazolidinyl urea	2	0.25	Jong 2007; Dinkloh 2015; Schnuch 1998
13	DMDM Hydantoin	1	0.5	Wentworth 2014; Davis 2008
14	DMDM Hydantoin	2	1.02	Schnuch 1998
15	Eugenol	1	0.53	Schnuch 2007
16	Eugenol	5	3.59	Larsen 1996
17	Evernia prunastri extract	1	0.56	Heisterberg 2011; Schnuch 2007
18	Evernia prunastri extract	5	3.59	Larsen 1996
19	Fragrance mix II	2.80	1.82	Frosch 2005
20	Fragrance mix II	14	2.83	Wentworth 2014; Uter 2010; Frosch 2005
21	Fragrance mix II	28	10.58	Frosch 2005
22	Geraniol	1	0.87	Schnuch 2007
23	Geraniol	5	4.19	Larsen 1996
24	Hydroxycitronellal	1	0.41	Schnuch 2007; Dinkloh 2015
25	Hydroxycitronellal	4	2.99	Larsen 1996
26	Hydroxycitronellal	7	4.19	Larsen 1996
27	Hydroperoxides of limonene	0.10	0.30	Deza 2016
28	Hydroperoxides of limonene	0.20	0.80	Deza 2016
29	Hydroperoxides of limonene	0.30	1.39	Deza 2016; Ditmar 2018
30	Hydroperoxides of linalool	0.25	0.20	Deza 2016
31	Hydroperoxides of linalool	0.50	1.20	Deza 2016
32	Hydroperoxides of linalool	1	1.93	Deza 2016; Ditmar 2018
33	Isoeugenol	1	0.48	Dinkloh 2015; Heisterberg 2011; Schnuch 2007
34	Isoeugenol	4	3.59	Larsen 1996

*Weighted averages were calculated whenever data were available from multiple studies. IR – irritant reactions.

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