



# ACCEPTABLE FRAGRANCE LIST

## Pet grooming products

| Substance                                                                       | CAS         | Restriction                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|---------------------------------------------------------------------------------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (-)-Menthone 1,2-glycerol ketal                                                 | 63187-91-7  | --                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| (+)-Cedrol                                                                      | 77-53-2     | --                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| (1-Methyl-2-(1,2,2-trimethylbicyclo[3.1.0] hex-3-ylmethyl)cyclopropyl) methanol | 198404-98-7 | --                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| (E,Z)-3,7,11-Trimethyldodeca-2,6,10-trienyl acetate                             | 29548-30-9  | --                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| (Z)-Hex-3-enyl salicylate                                                       | 65405-77-8  | Limited to 0.10% in cleaning products, 0.01% in rinse-off pet grooming products, and 0.001% in leave-on pet grooming products due to classification 'may cause an allergic skin reaction' (GHS H317).                                                                                                                                                                                                                                                                                                                                                                       |
| 1-(4-hydroxy-3-methoxyphenyl)-decan-3-one                                       | 27113-22-0  | --                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 1-Hexadecanol                                                                   | 36653-82-4  | Use of all H315 classified ingredients limited to 10% in all product categories except laundry and automatic dish detergents due to classification 'causes skin irritation' (GHS H315).                                                                                                                                                                                                                                                                                                                                                                                     |
| 1-Octen-3-ol                                                                    | 3391-86-4   | --                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 1-p-Menthene-8-thiol                                                            | 71159-90-5  | --                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 1,3-Propanediol                                                                 | 504-63-2    | Use of all H315 classified ingredients limited to 10% in all product categories except laundry and automatic dish detergents due to classification 'causes skin irritation' (GHS H315).                                                                                                                                                                                                                                                                                                                                                                                     |
| 1,5,5,9-Tetramethyl-13-oxatricyclo(8.3.0.0(4.9)) tridecane                      | 3738-00-9   | --                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 10-Undecenal                                                                    | 112-45-8    | Limited to 1% in cleaning products, 0.01% in rinse-off pet grooming products, and 0.001% in leave-on pet grooming products due to classification 'may cause an allergic skin reaction' (GHS H317).                                                                                                                                                                                                                                                                                                                                                                          |
| 10-Undecenoic acid                                                              | 112-38-9    | Use of all H315 classified ingredients limited to 10% in all product categories except laundry and automatic dish detergents due to classification 'causes skin irritation' (GHS H315).                                                                                                                                                                                                                                                                                                                                                                                     |
| 2-Hydroxybenzoic acid                                                           | 69-72-7     | According to the Danish Institute on Endocrine Disruptors, this substance is classified as an endocrine disruptor, therefore its use is restricted to 0.5% in EWG VERIFIED Pet Grooming products, following the European Commissions maximum authorized concentration for preservation of cosmetics as outlined in Annex VI.                                                                                                                                                                                                                                                |
| 2-Isopropyl-N,2,3-trimethylbutyramide                                           | 51115-67-4  | --                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 2-Methyl-3-(p-isopropylphenyl) propionaldehyde                                  | 103-95-7    | Based on the IFRA 49th Amendment, this ingredient is limited to the concentrations outlined below according to product use and category: Category 1) 0.11% Category 2) 0.14% Category 3) 0.038% Category 4) 0.95% Category 5A) 0.45% Category 5B) 0.076% Category 5C) 0.076% Category 5D) 0.025% Category 6) 0.076% Category 7A) 0.23% Category 7B) 0.23% Category 8) 0.025% Category 9) 0.23% Category 10A) 0.23% Category 10B) 0.72% Category 11A) 0.025% Category 11B) 0.025% Category 12) 16%; Cyclamen aldehyde should not contain more than 1.5% of Cyclamen alcohol. |
| 2-Methyl-4-phenyl-2-butanol                                                     | 103-05-9    | --                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 2-Methylbutyl acetate                                                           | 624-41-9    | --                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 2-Methyltetrahydrofuran-3-one                                                   | 3188-00-9   | --                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 2-Octanone                                                                      | 111-13-7    | --                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 2-Phenoxyethanol                                                                | 122-99-6    | --                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 2-Phenoxyethyl isobutyrate                                                      | 103-60-6    | --                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 2,3-Pentadione                                                                  | 600-14-6    | --                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 2,3,5,6-Tetramethylpyrazine                                                     | 1124-11-4   | --                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 2,6-Dimethyl-5-heptenal                                                         | 106-72-9    | Limited to 0.10% in cleaning products, 0.01% in rinse-off pet grooming products, and 0.001% in leave-on pet grooming products due to classification 'may cause an allergic skin reaction' (GHS H317).                                                                                                                                                                                                                                                                                                                                                                       |
| 3-(3,4-Methylenedioxyphenyl)-2-methylpropanal                                   | 1205-17-0   | Limited to 0.10% in cleaning products, 0.01% in rinse-off pet grooming products, and 0.001% in leave-on pet grooming products due to classification 'may cause an allergic skin reaction' (GHS H317).                                                                                                                                                                                                                                                                                                                                                                       |
| 3-(p-Isopropylphenyl)propionaldehyde                                            | 7775-00-0   | This substance has a similar toxic metabolite as lilial and has been proposed for harmonised classification and labelling (CLH) as reprotox 1B, therefore they are restricted to 0.01% in the final product.                                                                                                                                                                                                                                                                                                                                                                |

| Substance                                                     | CAS        | Restriction                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|---------------------------------------------------------------|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 3-Methyl-2-(2-pentenyl)-2-cyclopenten-1-one                   | 488-10-8   | --                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 3-Methyl-5-(2,2,3-trimethylcyclopent-3-en-1-yl)pent-4-en-2-ol | 67801-20-1 | Limited to 0.10% in cleaning products, 0.01% in rinse-off pet grooming products, and 0.001% in leave-on pet grooming products due to classification 'may cause an allergic skin reaction' (GHS H317).                                                                                                                                                                                                                                                                                                                         |
| 4-(p-Hydroxyphenyl)-2-butanone                                | 5471-51-2  | Based on the IFRA 49th Amendment, this ingredient is limited to the concentrations outlined below according to product use and category: Category 1) 0.68 % Category 2) 1.0 % Category 3) 0.27 % Category 4) 1.0 % Category 5A) 1.0 % Category 5B) 0.14 % Category 5C) 0.27 % Category 5D) 0.045 % Category 6) 0.82 % Category 7A) 0.41 % Category 7B) 0.41 % Category 8) 0.045 % Category 9) 1.0 % Category 10A) 1.0 % Category 10B) 1.0 % Category 11A) 0.045 % Category 11B) 0.045 % Category 12) 78 %                     |
| 4-(p-Methoxyphenyl)-2-butanone                                | 104-20-1   | --                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 4-Carvomenthenol                                              | 562-74-3   | Limited to 0.10% in cleaning products, 0.01% in rinse-off pet grooming products, and 0.001% in leave-on pet grooming products due to classification 'may cause an allergic skin reaction' (GHS H317).                                                                                                                                                                                                                                                                                                                         |
| 4-Hydroxy-2,5-dimethyl-3(2H)-furanone                         | 3658-77-3  | Based on the IFRA 49th Amendment, this ingredient is limited to the concentrations outlined below according to product use and category: Category 1) 0.045 % Category 2) 0.014 % Category 3) 0.27 % Category 4) 0.25 % Category 5A) 0.064 % Category 5B) 0.064 % Category 5C) 0.064 % Category 5D) 0.021 % Category 6) 0.15 % Category 7A) 0.52 % Category 7B) 0.52 % Category 8) 0.021 % Category 9) 0.49 % Category 10A) 0.49 % Category 10B) 1.8 % Category 11A) 0.021 % Category 11B) 0.021 % Category 12) No Restriction |
| 4-Hydroxyacetophenone                                         | 99-93-4    | --                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 4-Methoxybenzoic acid                                         | 100-09-4   | --                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 5-Methylfurfural                                              | 620-02-0   | --                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 9-Decen-2-one                                                 | 35194-30-0 | --                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Acetic acid                                                   | 64-19-7    | Specific concentration limit of 10% establish by European commission for hazard classification. Not allowed with hydrogen peroxide.                                                                                                                                                                                                                                                                                                                                                                                           |
| Acetoin                                                       | 513-86-0   | --                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Allyl alpha-ionone                                            | 79-78-7    | --                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Allyl cyclohexane propionate                                  | 2705-87-5  | Limited to 0.10% in cleaning products, 0.01% in rinse-off pet grooming products, and 0.001% in leave-on pet grooming products due to classification 'may cause an allergic skin reaction' (GHS H317). The European Commission restricts the level of free allyl alcohol in the ester to less than 0.1%.                                                                                                                                                                                                                       |
| Allyl heptanoate                                              | 142-19-8   | The European Commission restricts the level of free allyl alcohol in the ester to less than 0.1%.                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Allyl hexanoate                                               | 123-68-2   | The European Commission restricts the level of free allyl alcohol in the ester to less than 0.1%.                                                                                                                                                                                                                                                                                                                                                                                                                             |
| alpha-Amylcinnamaldehyde                                      | 122-40-7   | Limited to 0.10% in cleaning products, 0.01% in rinse-off pet grooming products, and 0.001% in leave-on pet grooming products due to classification 'may cause an allergic skin reaction' (GHS H317).                                                                                                                                                                                                                                                                                                                         |
| alpha-Amylcinnamyl alcohol                                    | 101-85-9   | Limited to 0.10% in cleaning products, 0.01% in rinse-off pet grooming products, and 0.001% in leave-on pet grooming products due to classification 'may cause an allergic skin reaction' (GHS H317).                                                                                                                                                                                                                                                                                                                         |
| alpha-Ionone                                                  | 127-41-3   | --                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| alpha-iso-Methylionone                                        | 127-51-5   | Limited to 0.10% in cleaning products, 0.01% in rinse-off pet grooming products, and 0.001% in leave-on pet grooming products due to classification 'may cause an allergic skin reaction' (GHS H317).                                                                                                                                                                                                                                                                                                                         |
| alpha-Methylbenzyl acetate                                    | 93-92-5    | --                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| alpha-Terpineol                                               | 98-55-5    | Limited to 0.10% in cleaning products, 0.01% in rinse-off pet grooming products, and 0.001% in leave-on pet grooming products due to classification 'may cause an allergic skin reaction' (GHS H317).                                                                                                                                                                                                                                                                                                                         |
| alpha-Terpinyol acetate                                       | 80-26-2    | --                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| alpha,alpha-Dimethylphenethyl acetate                         | 151-05-3   | Limited to 0.10% in cleaning products, 0.01% in rinse-off pet grooming products, and 0.001% in leave-on pet grooming products due to classification 'may cause an allergic skin reaction' (GHS H317).                                                                                                                                                                                                                                                                                                                         |
| alpha,alpha-Dimethylphenethyl butyrate                        | 10094-34-5 | --                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

| Substance                                                  | CAS        | Restriction                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
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| Anisyl alcohol                                             | 105-13-5   | Limited to 0.10% in cleaning products, 0.01% in rinse-off pet grooming products, and 0.001% in leave-on pet grooming products due to classification 'may cause an allergic skin reaction' (GHS H317).                                                                                                                                                                                                                                                              |
| Benzaldehyde                                               | 100-52-7   | Restriction limits in the finished product (using the IFRA 49th Amendment Categories): Category 1) 0.045 % Category 2) 0.014 % Category 3) 0.27 % Category 4) 0.25 % Category 5A) 0.064 % Category 5B) 0.064 % Category 5C) 0.064 % Category 5D) 0.021 % Category 6) 0.15 % Category 7A) 0.52 % Category 7B) 0.52 % Category 8) 0.021 % Category 9) 0.49 % Category 10A) 0.49 % Category 10B) 1.8 % Category 11A) 0.021 % Category 11B) 0.021 % 12) No Restriction |
| Benzoic acid                                               | 65-85-0    | Benzoic acid and its benzoate salts are limited to 2.5% in liquid hand washing soap and detergent (EU restriction for rinse-off), 3% in spray cleaning products, 0.01% in rinse-off pet grooming products, 0.001% in leave-on pet grooming products due to classification 'causes serious eye damage' (GHS H318), and 10% in other product categories except automatic laundry and dish detergents due to classification 'causes skin irritation' (GHS H315).      |
| Benzyl acetate                                             | 0140-11-4  | --                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Benzyl alcohol                                             | 100-51-6   | Limited to 0.10% in cleaning products, 0.01% in rinse-off pet grooming products, and 0.001% in leave-on pet grooming products due to classification 'may cause an allergic skin reaction' (GHS H317).                                                                                                                                                                                                                                                              |
| Benzyl benzoate                                            | 120-51-4   | Limited to 0.10% in cleaning products, 0.01% in rinse-off pet grooming products, and 0.001% in leave-on pet grooming products due to classification 'may cause an allergic skin reaction' (GHS H317).                                                                                                                                                                                                                                                              |
| Benzyl cinnamate                                           | 103-41-3   | Limited to 0.10% in cleaning products, 0.01% in rinse-off pet grooming products, and 0.001% in leave-on pet grooming products due to classification 'may cause an allergic skin reaction' (GHS H317).                                                                                                                                                                                                                                                              |
| Benzyl salicylate                                          | 118-58-1   | Limited to 0.10% in cleaning products, 0.01% in rinse-off pet grooming products, and 0.001% in leave-on pet grooming products due to classification 'may cause an allergic skin reaction' (GHS H317).                                                                                                                                                                                                                                                              |
| beta-Caryophyllene                                         | 87-44-5    | Limited to 0.10% in cleaning products, 0.01% in rinse-off pet grooming products, and 0.001% in leave-on pet grooming products due to classification 'may cause an allergic skin reaction' (GHS H317).                                                                                                                                                                                                                                                              |
| Borneol                                                    | 507-70-0   | --                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Butyl alcohol                                              | 71-36-3    | --                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Butyl stearate                                             | 123-95-5   | --                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Carvone                                                    | 99-49-0    | Limited to 0.10% in cleaning products, 0.01% in rinse-off pet grooming products, and 0.001% in leave-on pet grooming products due to classification 'may cause an allergic skin reaction' (GHS H317).                                                                                                                                                                                                                                                              |
| Cinnamyl alcohol                                           | 104-54-1   | Limited to 0.10% in cleaning products, 0.01% in rinse-off pet grooming products, and 0.001% in leave-on pet grooming products due to classification 'may cause an allergic skin reaction' (GHS H317).                                                                                                                                                                                                                                                              |
| cis-3-Hexen-1-ol                                           | 928-96-1   | --                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| cis-3-Hexenyl acetate                                      | 3681-71-8  | --                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| cis-3-Hexenyl benzoate                                     | 25152-85-6 | --                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| cis-9-Octadecenol                                          | 143-28-2   | --                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Citral                                                     | 5392-40-5  | Limited to 0.10% in cleaning products, 0.01% in rinse-off pet grooming products, and 0.001% in leave-on pet grooming products due to classification 'may cause an allergic skin reaction' (GHS H317).                                                                                                                                                                                                                                                              |
| Citric acid                                                | 77-92-9    | --                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Citric acid ester of mono-and di-glycerides of fatty acids | 97593-31-2 | --                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Citronellal                                                | 106-23-0   | Limited to 0.10% in cleaning products, 0.01% in rinse-off pet grooming products, and 0.001% in leave-on pet grooming products due to classification 'may cause an allergic skin reaction' (GHS H317).                                                                                                                                                                                                                                                              |
| Citronellyl acetate                                        | 150-84-5   | Limited to 0.10% in cleaning products, 0.01% in rinse-off pet grooming products, and 0.001% in leave-on pet grooming products due to classification 'may cause an allergic skin reaction' (GHS H317).                                                                                                                                                                                                                                                              |

| Substance                       | CAS        | Restriction                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
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| d-Limonene                      | 5989-27-5  | Limited to 0.10% in cleaning products, 0.01% in rinse-off pet grooming products, and 0.001% in leave-on pet grooming products due to classification 'may cause an allergic skin reaction' (GHS H317). d, l and dl limonene and natural products containing substantial amounts of it, should only be used when the level of peroxides is kept to the lowest practical level, for instance by adding antioxidants at the time of production. Such products should have a peroxide value of less than 20 millimoles peroxides per liter, determined according to the FMA method.                                                                                                                                              |
| d,l-Menthone-1,2-glycerol ketal | 63187-91-7 | --                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Damascenone                     | 23696-85-7 | Limited to 0.10% in cleaning products, 0.01% in rinse-off pet grooming products, and 0.001% in leave-on pet grooming products due to classification 'may cause an allergic skin reaction' (GHS H317). Based on the IFRA 49th Amendment, this ingredient is limited to the concentrations outlined below according to product use and category: Category 1) 0.0077% Category 2) 0.0023% Category 3) 0.046% Category 4) 0.043% Category 5A) 0.011% Category 5B) 0.011% Category 5C) 0.011% Category 5D) 0.011% Category 6) 0.025% Category 7A) 0.088% Category 7B) 0.088% Category 8) 0.0045% Category 9) 0.084% Category 10A) 0.30% Category 10B) 0.30% Category 11A) 0.17% Category 11B) 0.17% Category 12) No Restriction. |
| Decanal                         | 112-31-2   | Limited to 0.10% in cleaning products, 0.01% in rinse-off pet grooming products, and 0.001% in leave-on pet grooming products due to classification 'may cause an allergic skin reaction' (GHS H317).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Decanoic acid                   | 334-48-5   | Use of all H315 classified ingredients limited to 10% in all product categories except laundry and automatic dish detergents due to classification 'causes skin irritation' (GHS H315).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| delta-Decalactone               | 705-86-2   | --                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| delta-Dodecalactone             | 713-95-1   | --                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Diethyl malonate                | 105-53-3   | Use of all H315 classified ingredients limited to 10% in all product categories except laundry and automatic dish detergents due to classification 'causes skin irritation' (GHS H315).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Diethyl sebacate                | 110-40-7   | --                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Diisobutyl adipate              | 0141-04-08 | --                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Diisopropyl adipate             | 6938-94-9  | Use of all H315 classified ingredients limited to 10% in all product categories except laundry and automatic dish detergents due to classification 'causes skin irritation' (GHS H315).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Dimethyl adipate                | 627-93-0   | --                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Dimethyl succinate              | 106-65-0   | --                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| dl-Citronellol                  | 106-22-9   | Limited to 0.10% in cleaning products, 0.01% in rinse-off pet grooming products, and 0.001% in leave-on pet grooming products due to classification 'may cause an allergic skin reaction' (GHS H317).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Ethanol                         | 64-17-5    | --                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Ethyl 10-undecenoate            | 692-86-4   | --                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Ethyl 2-methyl pentanoate       | 39255-32-8 | --                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Ethyl 2-methylbutyrate          | 7452-79-1  | --                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Ethyl acetate                   | 141-78-6   | This substance is classified as 'may cause drowsiness or dizziness' (GHS H336), therefore it may only be used in fragrance formulas at a final product concentration of 0.1%.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Ethyl acetoacetate              | 141-97-9   | --                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Ethyl benzoate                  | 93-89-0    | --                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Ethyl butyrate                  | 105-54-4   | --                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Ethyl cinnamate                 | 103-36-6   | --                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Ethyl hexadecanoate             | 628-97-7   | --                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Ethyl hexanoate                 | 123-66-0   | --                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Ethyl isovalerate               | 108-64-5   | --                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Ethyl lactate                   | 97-64-3    | --                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

| Substance                        | CAS        | Restriction                                                                                                                                                                                                                                                                                                                            |
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| Ethyl methylphenylglycidate      | 77-83-8    | Limited to 1% in cleaning products, 0.01% in rinse-off pet grooming products, and 0.001% in leave-on pet grooming products due to classification 'may cause an allergic skin reaction' (GHS H317).                                                                                                                                     |
| Ethyl octadecanoate              | 111-61-5   | --                                                                                                                                                                                                                                                                                                                                     |
| Ethyl oleate                     | 111-62-6   | --                                                                                                                                                                                                                                                                                                                                     |
| Ethyl propionate                 | 105-37-3   | --                                                                                                                                                                                                                                                                                                                                     |
| Ethyl salicylate                 | 118-61-6   | --                                                                                                                                                                                                                                                                                                                                     |
| Ethyl trans-2-cis-4-decadienoate | 3025-30-7  | --                                                                                                                                                                                                                                                                                                                                     |
| Ethyl vanillin                   | 121-32-4   | Limited to 1% in cleaning products, 0.01% in rinse-off pet grooming products, and 0.001% in leave-on pet grooming products due to classification 'may cause an allergic skin reaction' (GHS H317).                                                                                                                                     |
| Ethylene brassylate              | 105-95-3   | --                                                                                                                                                                                                                                                                                                                                     |
| Eucalyptol                       | 470-82-6   | Limited to 1% in cleaning products, 0.01% in rinse-off pet grooming products, and 0.001% in leave-on pet grooming products due to classification 'may cause an allergic skin reaction' (GHS H317).                                                                                                                                     |
| Eugenol                          | 97-53-0    | Limited to 0.01% due to allergen concerns and eugenol sensitivities among individuals with asthma. Limited to 0.001% in leave-on pet grooming products due to classification 'may cause an allergic skin reaction' (GHS H317).                                                                                                         |
| Farnesol                         | 4602-84-0  | Limited to 0.10% in cleaning products, 0.01% in rinse-off pet grooming products, and 0.001% in leave-on pet grooming products due to classification 'may cause an allergic skin reaction' (GHS H317). Farnesol should only be used as a fragrance ingredient if it contains a minimum of 96% of farnesol isomers as determined by GLC. |
| gamma-Decalactone                | 706-14-9   | --                                                                                                                                                                                                                                                                                                                                     |
| gamma-Nonalactone                | 104-61-0   | --                                                                                                                                                                                                                                                                                                                                     |
| gamma-Octalactone                | 104-50-7   | --                                                                                                                                                                                                                                                                                                                                     |
| gamma-Undecalactone              | 104-67-6   | --                                                                                                                                                                                                                                                                                                                                     |
| Geraniol                         | 106-24-1   | Limited to 0.10% in cleaning products, 0.01% in rinse-off pet grooming products, and 0.001% in leave-on pet grooming products due to classification 'may cause an allergic skin reaction' (GHS H317).                                                                                                                                  |
| Geranyl acetate                  | 105-87-3   | The presence of the substance shall be indicated in the list of ingredients, when its concentration exceeds: 0.001% in leave-on products 0.01% in rinse-off products.                                                                                                                                                                  |
| Glycerol                         | 56-81-5    | Health Canada requires manufacturers of oral and leaveon products containing glycerin to ensure the raw material used is within the specifications of an accepted pharmacopoeia with respect to diethylene glycol (DEG) impurities.                                                                                                    |
| Glyceryl monooleate              | 111-03-5   | --                                                                                                                                                                                                                                                                                                                                     |
| Glycyrrhizic acid, ammoniated    | 53956-04-0 | The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 5%. Additionally, the CIR has identified the following potential contaminants/impurities in this ingredient: PCB/pesticides, toxic metals and heavy metals.                                                                |
| Heptyl alcohol                   | 111-70-6   | --                                                                                                                                                                                                                                                                                                                                     |
| Hexanal                          | 66-25-1    | Limited to 0.10% in cleaning products, 0.01% in rinse-off pet grooming products, and 0.001% in leave-on pet grooming products due to classification 'may cause an allergic skin reaction' (GHS H317).                                                                                                                                  |
| Hexyl acetate                    | 142-92-7   | --                                                                                                                                                                                                                                                                                                                                     |
| Hexyl hexanoate                  | 6378-65-0  | --                                                                                                                                                                                                                                                                                                                                     |
| Hydroxycitronellol               | 107-74-4   | --                                                                                                                                                                                                                                                                                                                                     |
| Isoambrettolide                  | 28645-51-4 | --                                                                                                                                                                                                                                                                                                                                     |
| Isoamyl acetate                  | 123-92-2   | --                                                                                                                                                                                                                                                                                                                                     |
| Isoamyl butyrate                 | 106-27-4   | --                                                                                                                                                                                                                                                                                                                                     |
| Isoamyl laurate                  | 6309-51-9  | --                                                                                                                                                                                                                                                                                                                                     |

| Substance                                          | CAS        | Restriction                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|----------------------------------------------------|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Isoamyl salicylate                                 | 87-20-7    | Limited to 0.10% in cleaning products, 0.01% in rinse-off pet grooming products, and 0.001% in leave-on pet grooming products due to classification 'may cause an allergic skin reaction' (GHS H317).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Isobutyl acetate                                   | 110-19-0   | This substance is classified as 'may cause drowsiness or dizziness' (GHS H336), therefore it may only be used in fragrance formulas at a final product concentration of 0.1%.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Isobutyraldehyde                                   | 78-84-2    | --                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Isoeugenol acetate                                 | 93-29-8    | The presence of the substance shall be indicated in the list of ingredients, when its concentration exceeds: 0.001% in leave-on products 0.01% in rinse-off products.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Isojasmone                                         | 11050-62-7 | --                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Isopropyl alcohol                                  | 67-63-0    | --                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Isopropyl myristate                                | 110-27-0   | Use of all H315 classified ingredients limited to 10% in all product categories except laundry and automatic dish detergents due to classification 'causes skin irritation' (GHS H315).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Key:<br>-- : Unrestricted                          |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Lauric acid                                        | 0143-07-07 | Use of all H315 classified ingredients limited to 10% in all product categories except laundry and automatic dish detergents due to classification 'causes skin irritation' (GHS H315). Use of all H318 classified ingredients limited to 3% in spray cleaning products, 0.01% in rinse-off pet grooming products, and 0.001% in leave-on pet grooming products due to classification 'causes serious eye damage' (GHS H318).                                                                                                                                                                                                                                                                                                                |
| Lauric aldehyde                                    | 112-54-9   | Limited to 1% in cleaning products, 0.01% in rinse-off pet grooming products, and 0.001% in leave-on pet grooming products due to classification 'may cause an allergic skin reaction' (GHS H317).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Levulinic acid                                     | 123-76-2   | --                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Linalyl acetate                                    | 115-95-7   | Limited to 0.10% in cleaning products, 0.01% in rinse-off pet grooming products, and 0.001% in leave-on pet grooming products due to classification 'may cause an allergic skin reaction' (GHS H317).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Linoleic and linolenic acid (mixture)              | 60-33-3    | Use of all H318 classified ingredients limited to 3% in spray cleaning products, 0.01% in rinse-off pet grooming products, and 0.001% in leave-on pet grooming products due to classification 'causes serious eye damage' (GHS H318).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Maltol                                             | 118-71-8   | --                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Menthone                                           | 10458-14-7 | --                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Methyl 2-octynoate                                 | 0111-12-6  | Limited to 0.10% in cleaning products, 0.01% in rinse-off pet grooming products, and 0.001% in leave-on pet grooming products due to classification 'may cause an allergic skin reaction' (GHS H317). Based on the IFRA 49th Amendment, this ingredient is limited to the concentrations outlined below according to product use and category: Category 1) 0.0085 % Category 2) 0.0025 % Category 3) 0.051 % Category 4) 0.047 % Category 5A) 0.012 % Category 5B) 0.012 % Category 5C) 0.012 % Category 5D) 0.012 % Category 6) 0.028 % Category 7A) 0.096 % Category 7B) 0.096 % Category 8) 0.0050 % Category 9) 0.092 % Category 10A) 0.33 % Category 10B) 0.33 % Category 11A) 0.18 % Category 11B) 0.18 % Category 12) No Restriction. |
| Methyl benzoate                                    | 93-58-3    | --                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Methyl cinnamate                                   | 103-26-4   | Limited to 1% in cleaning products, 0.01% in rinse-off pet grooming products, and 0.001% in leave-on pet grooming products due to classification 'may cause an allergic skin reaction' (GHS H317).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Methyl nicotinate                                  | 93-60-7    | --                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Methyl salicylate                                  | 119-36-8   | Limited to 0.10% in cleaning products, 0.01% in rinse-off pet grooming products, and 0.001% in leave-on pet grooming products due to classification 'may cause an allergic skin reaction' (GHS H317).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Methylcyclopentenolone                             | 80-71-7    | --                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Myristic acid                                      | 544-63-8   | Use of all H315 classified ingredients limited to 10% in all product categories except laundry and automatic dish detergents due to classification 'causes skin irritation' (GHS H315).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| N-Ethyl 2-isopropyl-5-methylcyclohexanecarboxamide | 39711-79-0 | --                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

| Substance                             | CAS        | Restriction                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
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| Neohesperidin dihydrochalcone         | 20702-77-6 | --                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Nerol                                 | 106-25-2   | Limited to 1% in cleaning products, 0.01% in rinse-off pet grooming products, and 0.001% in leave-on pet grooming products due to classification 'may cause an allergic skin reaction' (GHS H317).                                                                                                                                                                                                                                                                                                                                |
| Nerolidol                             | 7212-44-4  | --                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Neryl acetate                         | 0141-12-8  | --                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Nonanal                               | 124-19-6   | Limited to 0.10% in cleaning products, 0.01% in rinse-off pet grooming products, and 0.001% in leave-on pet grooming products due to classification 'may cause an allergic skin reaction' (GHS H317).                                                                                                                                                                                                                                                                                                                             |
| Octanal                               | 124-13-0   | Limited to 0.10% in cleaning products, 0.01% in rinse-off pet grooming products, and 0.001% in leave-on pet grooming products due to classification 'may cause an allergic skin reaction' (GHS H317).                                                                                                                                                                                                                                                                                                                             |
| Octanoic acid                         | 124-07-2   | Limited to 5% in cleaning products, 0.01% in rinse-off pet grooming products, and 0.001% in leave-on pet grooming products due to classification 'causes severe skin burns and eye damage' (GHS H314) and 'toxic in contact with skin' (GHS H311) but is allowed at a restricted concentration since it is a fatty acid approved for food consumption. Use of all H318 classified ingredients limited to 3% in spray cleaning products due to classification 'causes serious eye damage' (GHS H318).                              |
| Octyl acetate                         | 112-14-1   | --                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Octyl butyrate                        | 110-39-4   | --                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Oleic acid                            | 112-80-1   | --                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| omega-Pentadecalactone                | 106-02-5   | Based on the IFRA 49th Amendment, this ingredient is limited to the concentrations outlined below according to product use and category:<br>Category 1) 0.42 % Category 2) 0.13 % Category 3) 2.5 % Category 4) 2.4 % Category 5A) 0.60 % Category 5B) 0.60 % Category 5C) 0.60 % Category 5D) 0.20 % Category 6) 1.4 % Category 7A) 4.8 % Category 7B) 4.8 % Category 8) 0.20 % Category 9) 4.6 % Category 10A) 4.6 % Category 10B) 17 % Category 11A) 0.20 % Category 11B) 0.20 % Category 12) No Restriction                   |
| p-alpha,alpha-Trimethylbenzyl alcohol | 1197-01-9  | --                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| P-anisyl acetate                      | 104-21-2   | Use of all H318 classified ingredients limited to 3% in spray cleaning products, 0.01% in rinse-off pet grooming products, and 0.001% in leave-on pet grooming products due to classification 'causes serious eye damage' (GHS H318).                                                                                                                                                                                                                                                                                             |
| p-Mentha-1,4-diene                    | 99-85-4    | --                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| p-Methoxybenzaldehyde                 | 123-11-5   | Based on the IFRA 49th Amendment, this ingredient is limited to the concentrations outlined below according to product use and category:<br>Category 1) 0.043 % Category 2) 0.080 % Category 3) 0.022 % Category 4) 0.21 % Category 5A) 0.11 % Category 5B) 0.022 % Category 5C) 0.032 % Category 5D) 0.0072 % Category 6) 0.011 % Category 7A) 0.022 % Category 7B) 0.022 % Category 8) 0.0072 % Category 9) 0.065 % Category 10A) 0.065 % Category 10B) 0.21 % Category 11A) 0.0072 % Category 11B) 0.0072 % Category 12) 4.9 % |
| Pentyl acetate                        | 628-63-7   | --                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Phenethyl acetate                     | 103-45-7   | --                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Phenethyl benzoate                    | 94-47-3    | --                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Phenyl salicylate                     | 118-55-8   | --                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Phenylacetic acid                     | 103-82-2   | --                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Pin-2(10)-ene                         | 127-91-3   | Limited to 0.10% in cleaning products, 0.01% in rinse-off pet grooming products, and 0.001% in leave-on pet grooming products due to classification 'may cause an allergic skin reaction' (GHS H317).                                                                                                                                                                                                                                                                                                                             |
| Piperonal                             | 120-57-0   | Limited to 1% in cleaning products, 0.01% in rinse-off pet grooming products, and 0.001% in leave-on pet grooming products due to classification 'may cause an allergic skin reaction' (GHS H317).                                                                                                                                                                                                                                                                                                                                |
| Propionaldehyde                       | 123-38-6   | --                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Propyl alcohol                        | 71-23-8    | --                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Rhodinyl acetate                      | 0141-11-7  | --                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Sclareolide                           | 564-20-5   | --                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

| Substance              | CAS        | Restriction                                                                                                                                                                                                                                    |
|------------------------|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Succinic acid          | 110-15-6   | The Cosmetic Ingredient Review has determined that this ingredient is safe as used up to a concentration of 0.2% in leaveon products (up to 26% in rinseoff products).                                                                         |
| Terpineol acetate      | 8007-35-0  | The presence of the substance shall be indicated in the list of ingredients, when its concentration exceeds: 0.001% in leave-on products and 0.01% in rinse-off products. The peroxide value for each substance shall be less than 10 mmoles/L |
| Thymol                 | 89-83-8    | The Japanese Ministry of Health, Labour and Welfare restricts this ingredient to a maximum concentration of 0.05% in leaveon and rinse off products (not applied to mucosa).                                                                   |
| trans-Menthone         | 89-80-5    | --                                                                                                                                                                                                                                             |
| trans-Nonenal          | 18829-56-6 | --                                                                                                                                                                                                                                             |
| Triacetin              | 102-76-1   | --                                                                                                                                                                                                                                             |
| Tributyl acetylcitrate | 77-90-7    | --                                                                                                                                                                                                                                             |
| Triethyl citrate       | 77-93-0    | Limited to 0.10% in cleaning products, 0.01% in rinse-off pet grooming products, and 0.001% in leave-on pet grooming products due to classification 'may cause an allergic skin reaction' (GHS H317).                                          |
| Vanillin               | 121-33-5   | Limited to 0.10% in cleaning products, 0.01% in rinse-off pet grooming products, and 0.001% in leave-on pet grooming products due to classification 'may cause an allergic skin reaction' (GHS H317).                                          |
| Vanillyl butyl ether   | 82654-98-6 | --                                                                                                                                                                                                                                             |