



# LIST OF 'SCEPTICAL' MICROPLASTICS



Products on this list have been found to contain “sceptical microplastic” ingredients. These include but are not limited to Polyquaternium, Polysorbate, PEGs, and PPGs. By “sceptical microplastic” ingredients we mean synthetic polymers for which there is not enough information available. Some indicate toxicity to human life, some to aquatic environments, and for others we cannot find enough information.

PEGs and PPGs are polymers of ethylene oxide and propylene glycol respectively. The solubility, toxicity, persistence, and bio-accumulation of PEGs and PPGs is rather debated as it depends on the different chain lengths these polymers can have. For this reason, all PEGs and PPGs will be included in our orange list until further scientific research is available.

| No. | Polymer                                                          | CAS         | Reason                                                                                                                     | Source       |
|-----|------------------------------------------------------------------|-------------|----------------------------------------------------------------------------------------------------------------------------|--------------|
| 1   | Adipic Acid/Neopentyl Glycol Crosspolymer                        | -           | Crosslinked polyester polyol hybrid powder with elasticity and flexibility which consists of microspheres of varying sizes | <sup>1</sup> |
| 2   | Adipic Acid/Neopentyl Glycol/Trimellitic Anhydride Copolymer     |             | NDA                                                                                                                        |              |
| 3   | Ammonium Acryloyldimethyltaurate/VP Copolymer                    |             | Copolymer of Substances of our Red List                                                                                    |              |
| 4   | Amodimethicone                                                   | 308070-89-5 | Dimethicone                                                                                                                |              |
| 5   | Bis-Diglyceryl Polyacyladipate-2                                 | 82249-33-0  | Synthetic Polymer – Insoluble in water – no more data found (NDA)                                                          | <sup>2</sup> |
| 6   | Bis-PEG-18 Methyl Ether Dimethyl Silane                          | -           | PEG                                                                                                                        |              |
| 7   | Bis-PEG/PPG-14/14 Dimethicone                                    | -           | PEG/PPG                                                                                                                    |              |
| 8   | Bis-PEG/PPG-20/5 PEG/PPG-20/5 Dimethicone                        | -           | PEG/PPG                                                                                                                    |              |
| 9   | Bis(Glycidoxyphenyl)Propane/Bisaminomethyl Inorbornane Copolymer |             |                                                                                                                            |              |
| 10  | Ceteareth-1                                                      |             | Polyoxyethylene ethers - NDA                                                                                               |              |
| 11  | Ceteareth-10                                                     |             | Polyoxyethylene ethers - NDA                                                                                               |              |
| 12  | Ceteareth-100                                                    |             | Polyoxyethylene ethers - NDA                                                                                               |              |
| 13  | Ceteareth-11                                                     |             | Polyoxyethylene ethers - NDA                                                                                               |              |
| 14  | Ceteareth-12                                                     |             | Polyoxyethylene ethers - NDA                                                                                               |              |
| 15  | Ceteareth-13                                                     |             | Polyoxyethylene ethers - NDA                                                                                               |              |
| 16  | Ceteareth-14                                                     |             | Polyoxyethylene ethers - NDA                                                                                               |              |
| 17  | Ceteareth-15                                                     |             | Polyoxyethylene ethers - NDA                                                                                               |              |
| 18  | Ceteareth-16                                                     |             | Polyoxyethylene ethers - NDA                                                                                               |              |
| 19  | Ceteareth-17                                                     |             | Polyoxyethylene ethers - NDA                                                                                               |              |

| No. | Polymer                        | CAS | Reason                       | Source |
|-----|--------------------------------|-----|------------------------------|--------|
| 20  | Ceteareth-18                   |     | Polyoxyethylene ethers - NDA |        |
| 21  | Ceteareth-19                   |     | Polyoxyethylene ethers - NDA |        |
| 22  | Ceteareth-2                    |     | Polyoxyethylene ethers - NDA |        |
| 23  | Ceteareth-20                   |     | Polyoxyethylene ethers - NDA |        |
| 24  | Ceteareth-21                   |     | Polyoxyethylene ethers - NDA |        |
| 25  | Ceteareth-22                   |     | Polyoxyethylene ethers - NDA |        |
| 26  | Ceteareth-23                   |     | Polyoxyethylene ethers - NDA |        |
| 27  | Ceteareth-24                   |     | Polyoxyethylene ethers - NDA |        |
| 28  | Ceteareth-25                   |     | Polyoxyethylene ethers - NDA |        |
| 29  | Ceteareth-26                   |     | Polyoxyethylene ethers - NDA |        |
| 30  | Ceteareth-27                   |     | Polyoxyethylene ethers - NDA |        |
| 31  | Ceteareth-28                   |     | Polyoxyethylene ethers - NDA |        |
| 32  | Ceteareth-29                   |     | Polyoxyethylene ethers - NDA |        |
| 33  | Ceteareth-3                    |     | Polyoxyethylene ethers - NDA |        |
| 34  | Ceteareth-30                   |     | Polyoxyethylene ethers - NDA |        |
| 35  | Ceteareth-31                   |     | Polyoxyethylene ethers - NDA |        |
| 36  | Ceteareth-32                   |     | Polyoxyethylene ethers - NDA |        |
| 37  | Ceteareth-33                   |     | Polyoxyethylene ethers - NDA |        |
| 38  | Ceteareth-34                   |     | Polyoxyethylene ethers - NDA |        |
| 39  | Ceteareth-35                   |     | Polyoxyethylene ethers - NDA |        |
| 40  | Ceteareth-36                   |     | Polyoxyethylene ethers - NDA |        |
| 41  | Ceteareth-37                   |     | Polyoxyethylene ethers - NDA |        |
| 42  | Ceteareth-38                   |     | Polyoxyethylene ethers - NDA |        |
| 43  | Ceteareth-39                   |     | Polyoxyethylene ethers - NDA |        |
| 44  | Ceteareth-4                    |     | Polyoxyethylene ethers - NDA |        |
| 45  | Ceteareth-40                   |     | Polyoxyethylene ethers - NDA |        |
| 46  | Ceteareth-5                    |     | Polyoxyethylene ethers - NDA |        |
| 47  | Ceteareth-50                   |     | Polyoxyethylene ethers - NDA |        |
| 48  | Ceteareth-55                   |     | Polyoxyethylene ethers - NDA |        |
| 49  | Ceteareth-6                    |     | Polyoxyethylene ethers - NDA |        |
| 50  | Ceteareth-60                   |     | Polyoxyethylene ethers - NDA |        |
| 51  | Ceteareth-7                    |     | Polyoxyethylene ethers - NDA |        |
| 52  | Ceteareth-8                    |     | Polyoxyethylene ethers - NDA |        |
| 53  | Ceteareth-80                   |     | Polyoxyethylene ethers - NDA |        |
| 54  | Ceteareth-9                    |     | Polyoxyethylene ethers - NDA |        |
| 55  | Cetyl PEG/PPG-10/1             | -   | PEG/PPG                      |        |
| 56  | Cetyl PEG/PPG-10/1 Dimethicone | -   | PEG/PPG                      |        |
| 57  | Cyclohexasiloxane              |     | Synthetic silicone           | 3      |

| No. | Polymer                                                                                             | CAS         | Reason                              | Source |
|-----|-----------------------------------------------------------------------------------------------------|-------------|-------------------------------------|--------|
| 58  | Cyclopentasiloxane                                                                                  |             | Synthetic silicone                  | 4      |
| 59  | Di-PPG-3 Myristyl Ether Adipate                                                                     | -           | PPG                                 |        |
| 60  | Dimethicone PEG-8 Meadowfoamate                                                                     | -           | PEG                                 |        |
| 61  | Dimethicone/Bis-Isobutyl PPG-20 Crosspolymer                                                        | -           | PPG                                 |        |
| 62  | Dimethicone/Silsesquioxane Copolymer                                                                | 68440-84-6  | Dimethicone                         | 5      |
| 63  | Dimethiconol                                                                                        | 31692-79-2  | Hydroxylated Synthetic Silicone Oil |        |
| 64  | Diphenyl Dimethicone/Vinyl Diphenyl Dimethicone/Silsesquioxane Crosspolymer                         | -           | Dimethicone                         | 6      |
| 65  | Gelatin Crosspolymer                                                                                |             |                                     |        |
| 66  | Hdi/Trimethylol Hexyllactone Crosspolymer                                                           |             |                                     |        |
| 67  | Hydrogenated Polydecene                                                                             | 68037-01-04 | Synthetic Polymer – NDA             | 7      |
| 68  | Hydroxypropylcocoate PEG-8 Dimethicone                                                              | -           | PEG                                 |        |
| 69  | Laureth-1                                                                                           |             | PEG                                 |        |
| 70  | Laureth-10                                                                                          |             | PEG                                 |        |
| 71  | Laureth-11                                                                                          |             | PEG                                 |        |
| 72  | Laureth-12                                                                                          |             | PEG                                 |        |
| 73  | Laureth-13                                                                                          |             | PEG                                 |        |
| 74  | Laureth-14                                                                                          |             | PEG                                 |        |
| 75  | Laureth-15                                                                                          |             | PEG                                 |        |
| 76  | Laureth-16                                                                                          |             | PEG                                 |        |
| 77  | Laureth-2                                                                                           |             | PEG                                 |        |
| 78  | Laureth-20                                                                                          |             | PEG                                 |        |
| 79  | Laureth-21                                                                                          |             | PEG                                 |        |
| 80  | Laureth-23                                                                                          |             | PEG                                 |        |
| 81  | Laureth-25                                                                                          |             | PEG                                 |        |
| 82  | Laureth-3                                                                                           |             | PEG                                 |        |
| 83  | Laureth-30                                                                                          |             | PEG                                 |        |
| 84  | Laureth-35                                                                                          |             | PEG                                 |        |
| 85  | Laureth-38                                                                                          |             | PEG                                 |        |
| 86  | Laureth-4 (Peg-4 Lauryl Ether; Polyethylene Glycol 200 Lauryl Ether; Polyoxyethylene; Lauryl Ether) |             | PEG                                 |        |
| 87  | Laureth-40                                                                                          |             | PEG                                 |        |
| 88  | Laureth-5                                                                                           |             | PEG                                 |        |
| 89  | Laureth-6                                                                                           |             | PEG                                 |        |
| 90  | Laureth-7                                                                                           |             | PEG                                 |        |
| 91  | Laureth-7 Citrate                                                                                   |             | PEG                                 |        |
| 92  | Laureth-8                                                                                           |             | PEG                                 |        |

| No. | Polymer                                           | CAS | Reason                                                                                                                                 | Source |
|-----|---------------------------------------------------|-----|----------------------------------------------------------------------------------------------------------------------------------------|--------|
| 93  | Laureth-9                                         |     | PEG                                                                                                                                    |        |
| 94  | Lauryl PEG-9 Polydimethylsiloxylethyl Dimethicone |     | PEG                                                                                                                                    |        |
| 95  | Lauryl PEG/PPG-18/18 Methicone                    | -   | PEG/PPG                                                                                                                                |        |
| 96  | Methacrylate/Glycol Dimethacrylate Crosspolymer   | -   | Synthetic Crosspolymer of methacrylate and ethylene glycol dimethacrylate monomers – NDA                                               |        |
| 97  | Methoxy PEG/PPG-25/4 Dimethicone                  | -   | PEG/PPG                                                                                                                                |        |
| 98  | Microcrystalline Wax                              |     | A complex combination of long, branched chain hydrocarbons obtained from residual oils by solvent crystallization – Insoluble in water | 8,9    |
| 99  | Oleate Decylglucoside Crosspolymer                | -   | NDA                                                                                                                                    | 10     |
| 100 | Olive Oil PEG-7 Esters                            | -   | PEG                                                                                                                                    |        |
| 101 | PEG-10 Dimethicone                                | -   | PEG                                                                                                                                    |        |
| 102 | PEG-100                                           | -   | PEG                                                                                                                                    |        |
| 103 | PEG-100 Stearate                                  | -   | PEG                                                                                                                                    |        |
| 104 | PEG-12                                            | -   | PEG                                                                                                                                    |        |
| 105 | PEG-12 Dimethicone                                | -   | PEG                                                                                                                                    |        |
| 106 | PEG-120 Glucose Dioleate                          | -   | PEG                                                                                                                                    |        |
| 107 | PEG-120 Methyl Glucose Dioleate                   | -   | PEG                                                                                                                                    |        |
| 108 | PEG-120 Methyl Glucose Trioleate                  | -   | PEG                                                                                                                                    |        |
| 109 | PEG-14M                                           | -   | PEG                                                                                                                                    |        |
| 110 | PEG-15 Cocamine                                   | -   | PEG                                                                                                                                    |        |
| 111 | PEG-150 Distearate                                | -   | PEG                                                                                                                                    |        |
| 112 | PEG-150 Pentaerythrityl                           | -   | PEG                                                                                                                                    |        |
| 113 | PEG-150 Pentaerythrityl Tetrastearate             | -   | PEG                                                                                                                                    |        |
| 114 | PEG-150 Stearate                                  | -   | PEG                                                                                                                                    |        |
| 115 | PEG-16 Soy Sterol                                 | -   | PEG                                                                                                                                    |        |
| 116 | PEG-18 Glyceryl Oleate/Cocoate                    | -   | PEG                                                                                                                                    |        |
| 117 | PEG-180                                           | -   | PEG                                                                                                                                    |        |
| 118 | PEG-192 Apricot Kernel Glycerides                 | -   | PEG                                                                                                                                    |        |
| 119 | PEG-20 Methyl Glucose Sequistearate               | -   | PEG                                                                                                                                    |        |
| 120 | PEG-200 Hydrogenated Glyceryl Palmate             | -   | PEG                                                                                                                                    |        |
| 121 | PEG-200 Hydrogenated Glyceryl Palmate             | -   | PEG                                                                                                                                    |        |
| 122 | PEG-23M                                           | -   | PEG                                                                                                                                    |        |
| 123 | PEG-2M                                            | -   | PEG                                                                                                                                    |        |
| 124 | PEG-3 Distearate                                  | -   | PEG                                                                                                                                    |        |
| 125 | PEG-30 Dipolyhydroxystearate                      | -   | PEG                                                                                                                                    |        |

| No. | Polymer                                                    | CAS       | Reason                                                             | Source |
|-----|------------------------------------------------------------|-----------|--------------------------------------------------------------------|--------|
| 126 | PEG-32                                                     | -         | PEG                                                                |        |
| 127 | PEG-4                                                      | -         | PEG                                                                |        |
| 128 | PEG-4 Laurate                                              | -         | PEG                                                                |        |
| 129 | PEG-4 Rapeseedamide                                        | -         | PEG                                                                |        |
| 130 | PEG-40 Castor Oil                                          | -         | PEG                                                                |        |
| 131 | PEG-40 Glyceryl Cocoate                                    | -         | PEG                                                                |        |
| 132 | PEG-40 Hydrogenated Castor Oil                             | -         | PEG                                                                |        |
| 133 | PEG-40 Sorbitan Perisostearate                             | -         | PEG                                                                |        |
| 134 | PEG-40 Stearate                                            | -         | PEG                                                                |        |
| 135 | PEG-45M                                                    | -         | PEG                                                                |        |
| 136 | PEG-55 Propylene Glycol Oleate                             | -         | PEG                                                                |        |
| 137 | PEG-55 Stearate                                            | -         | PEG                                                                |        |
| 138 | PEG-6 Caprylic/Capric Glycerides                           | -         | PEG                                                                |        |
| 139 | PEG-60 Hydrogenated Castor Oil                             | -         | PEG                                                                |        |
| 140 | PEG-7 Caprylic/Capric Glycerides                           | -         | PEG                                                                |        |
| 141 | PEG-7 Glyceryl Cocoate                                     | -         | PEG                                                                |        |
| 142 | PEG-7 Propylheptyl Ether                                   | -         | PEG                                                                |        |
| 143 | PEG-70 Mango Glycerides                                    | -         | PEG                                                                |        |
| 144 | PEG-75 Lanolin                                             | -         | PEG                                                                |        |
| 145 | PEG-75 Stearate                                            | -         | PEG                                                                |        |
| 146 | PEG-7M                                                     | -         | PEG                                                                |        |
| 147 | PEG-8                                                      | -         | PEG                                                                |        |
| 148 | PEG-8 Beeswax                                              | -         | PEG                                                                |        |
| 149 | PEG-8 Distearate                                           | -         | PEG                                                                |        |
| 150 | PEG-8 Stearate                                             | -         | PEG                                                                |        |
| 151 | PEG-80 Sorbitan Laurate                                    | -         | PEG                                                                |        |
| 152 | PEG-90 GLYCERYL ISOSTEARATE                                | -         | PEG                                                                |        |
| 153 | PEG-90M                                                    | -         | PEG                                                                |        |
| 154 | PEG/PPG-116/66 Copolymer                                   | -         | PEG/PPG                                                            |        |
| 155 | PEG/PPG-17/16 Copolymer                                    | -         | PEG/PPG                                                            |        |
| 156 | PEG/PPG-18/18 Dimethicone                                  | -         | PEG/PPG                                                            |        |
| 157 | PEG/PPG-19/19 Dimethicone                                  | -         | PEG/PPG                                                            |        |
| 158 | PEG/PPG/Polybutylene Glycol-8/5/3 Glycerin                 | -         | PEG/PPG                                                            |        |
| 159 | Phthalic Anhydride/Trimellitic Anhydride/Glycols Copolymer | -         | NDA                                                                |        |
| 160 | Poloxamer 12                                               | 9003-11-6 | Synthetic Copolymer of Polyethylene and Polypropylene Ether Glycol | 11     |

| No. | Polymer                               | CAS                                    | Reason                                                                                     | Source |
|-----|---------------------------------------|----------------------------------------|--------------------------------------------------------------------------------------------|--------|
| 161 | Poloxamer 124                         | 9003-11-6                              | Ibid.                                                                                      | Ibid.  |
| 162 | Poloxamer 184                         | 9003-11-6                              | Ibid.                                                                                      | Ibid.  |
| 163 | Poloxamer 407                         | 9003-11-6                              | Ibid.                                                                                      | Ibid.  |
| 164 | Polyaminopropyl Biguanide (PHMB)      | 133029-32-0<br>32289-58-0<br>(unclear) | Synthetic polymer, soluble in water but proven toxic and hazardous, no more data available | 10, 11 |
| 165 | Polycyclopentadiene                   |                                        | Synthetic resin                                                                            | 14     |
| 166 | Polydecene                            | -                                      | NDA                                                                                        | 7      |
| 167 | Polyethylene glycol (PEG)             | -                                      | PEG                                                                                        |        |
| 168 | Polyethylene-glycol (PEG)             | -                                      | PEG                                                                                        |        |
| 169 | Polynaphthalenesulfonate              | 9084-06-04                             | Synthetic Polymer - NDA                                                                    | 15     |
| 170 | Polyperfluoromethylisopropyl Ether    | 69991-67-9                             | Synthetic polymer – declared as persistent and bioaccumulative in wildlife & humans (EWG)  | 16     |
| 171 | Polypropylene glycol (PPG)            | -                                      | PPG                                                                                        |        |
| 172 | Polyquaternium-10                     | -                                      | Synthetic Polymers – Soluble in water but toxic to aquatic environments (GHS)              | a, 17  |
| 173 | Polyquaternium-16                     | -                                      | Ibid.                                                                                      | Ibid.  |
| 174 | Polyquaternium-39                     | 25136-75-8                             | Ibid.                                                                                      | Ibid.  |
| 175 | Polyquaternium-59                     | -                                      | Ibid.                                                                                      | Ibid.  |
| 176 | Polysorbate                           | -                                      | Synthetic Polymers – NDA                                                                   | 18–20  |
| 177 | Polysorbate 20                        | -                                      | Synthetic Polymers – NDA                                                                   | Ibid.  |
| 178 | Polysorbate 60                        | -                                      | Synthetic Polymers – NDA                                                                   | Ibid.  |
| 179 | Polysorbate 80                        | -                                      | Synthetic Polymers – NDA                                                                   | Ibid.  |
| 180 | PPG-11 Stearyl Ether                  | -                                      | PPG                                                                                        |        |
| 181 | PPG-12                                | -                                      | PPG                                                                                        |        |
| 182 | PPG-14 Butyl Ether                    | -                                      | PPG                                                                                        |        |
| 183 | PPG-15 Ether                          | -                                      | PPG                                                                                        |        |
| 184 | PPG-15 Stearyl Ether                  | -                                      | PPG                                                                                        |        |
| 185 | PPG-2 Hydroxyethyl Coco/Isostearamide | -                                      | PPG                                                                                        |        |
| 186 | PPG-2 Methyl Ether                    | -                                      | PPG                                                                                        |        |
| 187 | PPG-20 Methyl Glucose Ether           | -                                      | PPG                                                                                        |        |
| 188 | PPG-26-Buteth-26                      | -                                      | PPG                                                                                        |        |
| 189 | PPG-3 Myristyl Ether                  | -                                      | PPG                                                                                        |        |
| 190 | PPG-5-Ceteth                          | -                                      | PPG                                                                                        |        |

<sup>a</sup> Polyquaternium -6 and -7 are included in the ECHA report as microplastics. However, we need specific indications that all polyquaterniums should be considered as microplastics. Until we have this further information all rest polyquaterniums will be kept in our Orange List.

| No. | Polymer                                                         | CAS       | Reason                                                                                                                                                            | Source |
|-----|-----------------------------------------------------------------|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| 191 | PPG-5-Ceteth-20                                                 | -         | PPG                                                                                                                                                               |        |
| 192 | PPG-51/Smdi Copolymer                                           | -         | PPG                                                                                                                                                               |        |
| 193 | PPG-6                                                           | -         | PPG                                                                                                                                                               |        |
| 194 | PPG-6-DECYLTETRADECETH-30                                       | -         | PPG                                                                                                                                                               |        |
| 195 | PPG-9                                                           | -         | PPG                                                                                                                                                               |        |
| 196 | PVM/MA Copolymer (Poly(methyl vinyl ether-alt-maleic anhydride) | 9011-16-9 | Synthetic Polymer – GHS: (H340): May cause genetic defects – (H350): May cause cancer – (H373): May cause damage to organs through prolonged or repeated exposure | 21     |
| 197 | Silica Dimethyl Silylate                                        |           | Polymer of polysiloxane (RED)                                                                                                                                     |        |
| 198 | Sodium Hydroxypropylsulfonate Laurylglucoside Crosspolymer      | -         | Synthetic Crosspolymer formed by the reaction of laurylglucoside with 1,3-dichloro-2-propanol and sulfonated with 3-chloro-2-hydroxypropyl sulfonate – NDA        | 22     |
| 199 | Sodium Polynaphthalenesulfonate                                 | -         | Synthetic Polymer – NDA                                                                                                                                           | 15     |
| 200 | Sorbitol/Sebacic Acid Copolymer Behenate                        |           | NDA                                                                                                                                                               |        |
| 201 | Steareth-10                                                     |           | Polyethylene Glycol ethers of Stearic Acid                                                                                                                        |        |
| 202 | Steareth-100                                                    |           | Polyethylene Glycol ethers of Stearic Acid                                                                                                                        |        |
| 203 | Steareth-11                                                     |           | Polyethylene Glycol ethers of Stearic Acid                                                                                                                        |        |
| 204 | Steareth-12                                                     |           | Polyethylene Glycol ethers of Stearic Acid                                                                                                                        |        |
| 205 | Steareth-13                                                     |           | Polyethylene Glycol ethers of Stearic Acid                                                                                                                        |        |
| 206 | Steareth-14                                                     |           | Polyethylene Glycol ethers of Stearic Acid                                                                                                                        |        |
| 207 | Steareth-15                                                     |           | Polyethylene Glycol ethers of Stearic Acid                                                                                                                        |        |
| 208 | Steareth-16                                                     |           | Polyethylene Glycol ethers of Stearic Acid                                                                                                                        |        |
| 209 | Steareth-17                                                     |           | Polyethylene Glycol ethers of Stearic Acid                                                                                                                        |        |
| 210 | Steareth-18                                                     |           | Polyethylene Glycol ethers of Stearic Acid                                                                                                                        |        |
| 211 | Steareth-19                                                     |           | Polyethylene Glycol ethers of Stearic Acid                                                                                                                        |        |
| 212 | Steareth-20                                                     |           | Polyethylene Glycol ethers of Stearic Acid                                                                                                                        |        |

| No. | Polymer           | CAS | Reason                                        | Source |
|-----|-------------------|-----|-----------------------------------------------|--------|
| 213 | Steareth-200      |     | Polyethylene Glycol ethers of Stearic Acid    |        |
| 214 | Steareth-25       |     | Polyethylene Glycol ethers of Stearic Acid    |        |
| 215 | Steareth-28       |     | Polyethylene Glycol ethers of Stearic Acid    |        |
| 216 | Steareth-29       |     | Polyethylene Glycol ethers of Stearic Acid    |        |
| 217 | Steareth-3        |     | Polyethylene Glycol ethers of Stearic Acid    |        |
| 218 | Steareth-30       |     | Polyethylene Glycol ethers of Stearic Acid    |        |
| 219 | Steareth-30       |     | Polyethylene Glycol ethers of Stearic Acid    |        |
| 220 | Steareth-4        |     | Polyethylene Glycol ethers of Stearic Acid    |        |
| 221 | Steareth-40       |     | Polyethylene Glycol ethers of Stearic Acid    |        |
| 222 | Steareth-40       |     | Polyethylene Glycol ethers of Stearic Acid    |        |
| 223 | Steareth-5        |     | Polyethylene Glycol ethers of Stearic Acid    |        |
| 224 | Steareth-50       |     | Polyethylene Glycol ethers of Stearic Acid    |        |
| 225 | Steareth-50       |     | Polyethylene Glycol ethers of Stearic Acid    |        |
| 226 | Steareth-6        |     | Polyethylene Glycol ethers of Stearic Acid    |        |
| 227 | Steareth-6        |     | Polyethylene Glycol ethers of Stearic Acid    |        |
| 228 | Steareth-7        |     | Polyethylene Glycol ethers of Stearic Acid    |        |
| 229 | Steareth-8        |     | Polyethylene Glycol ethers of Stearic Acid    |        |
| 230 | Steareth-80       |     | Polyethylene Glycol ethers of Stearic Acid    |        |
| 231 | Steareth-9        |     | Polyethylene Glycol ethers of Stearic Acid    |        |
| 232 | Synthetic Wax     |     | Synthetic Polymer – NDA about its ingredients | 23     |
| 233 | Triaccontanyl PVP |     | Polymer of PVP (RED)                          |        |

| No. | Polymer                 | CAS        | Reason                                                                                      | Source |
|-----|-------------------------|------------|---------------------------------------------------------------------------------------------|--------|
| 234 | VP/Eicosene Copolymer   | 28211-18-9 | Synthetic polymer – insoluble in water – derivative of from Alkylated polyvinylpyrrolidones | 24     |
| 235 | VP/Hexadecene Copolymer | 32440-50-9 | Synthetic polymer – insoluble in water – derivative of from Alkylated polyvinylpyrrolidones | 24     |

## Sources

- (1) Adipic Acid/Neopentyl Glycol Crosspolymer - AXIOM SP-100 <https://cosmetics.specialchem.com/product/i-axiom-ingredients-axiom-sp-100> (accessed Jan 21, 2019).
- (2) Bis-Diglyceryl Polyacyladipate-2 - SOFTISAN® 649 <https://cosmetics.specialchem.com/product/i-ioi-oleo-softisan-649> (accessed Jan 21, 2019).
- (3) Cyclohexasiloxane. *The Dermatology Review*, 2018.
- (4) Cyclopentasiloxane in Cosmetics: Safety and More <https://www.healthline.com/health/cyclopentasiloxane> (accessed Mar 25, 2020).
- (5) Dimethicone/Silsesquioxane Copolymer <http://www.thegoodscentscompany.com/data/rw1728191.html> (accessed Jan 21, 2019).
- (6) Diphenyl Dimethicone/Vinyl Diphenyl Dimethicone/Silsesquioxane Crosspolymer - KSP-300 <https://cosmetics.specialchem.com/product/i-shinetsu-ksp-300> (accessed Jan 21, 2019).
- (7) 68037-01-4 | Polydecene, Hydrogenated [NF]. *ChemIDplus*.
- (8) ChemIDplus. 63231-60-7 | Wax, Microcrystalline.
- (9) Making Cosmetics. 63231-60-7 | *Microcrystalline Wax*.
- (10) Oleate decylglucoside crosspolymer <http://www.thegoodscentscompany.com/data/rw1796351.html> (accessed Jan 21, 2019).
- (11) POLOXAMER 184 - MASSOCARE PEL64 <https://cosmetics.specialchem.com/product/i-comercial-quimica-masso-massocare-pel64> (accessed Jan 21, 2019).
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