**Annexure I: Approved synthetic petrochemical and mineral ingredients.**

**A‐ Approved ingredients for any type of product:**

* A‐a Pure synthetic ingredients

|  |  |
| --- | --- |
| **Chemical name** | **Function (not exhaustive)** |
| Dehydroacetic Acid | Preservative |
| Polyaspartic Acid | Preservative |
| Sorbic Acid | Preservative |
| Isothiazolinones | Preservative |
| Glycolic Acid | Other |

**NB :** Following the decision 2008/681/CE of the European committee (2008, july the 28th), and the decision 2008/809/CE (2008, October the 14th), modifying the Biocidal Products Directive 1451/2007 :

**Benzoic Acid and salts are not accepted as preservative of Cleaning Products anymore** (Product type 6)**.**

In order to guarantee the control of some cleaning products (for some pH coverage), isothiazolinones may be accepted as substituting preservatives only where natural equivalents are not available or where such equivalents prove ineffective.

* A‐b Mineral origin ingredients

|  |  |
| --- | --- |
| **Chemical name** | **Function (not exhaustive)** |
| Carbonates (sodium, magnésium, potassium, calcium, silicium) | Other |
| Silver, sodium, magnesium and potassium chlorides | Other |
| CI 77000 (Aluminium) | Pigment |
| CI 77007 (Lapis lazuli) | Pigment |
| CI 77163 (bismuth oxychloride) | Pigment |
| CI77400 (Copper) | Pigment |
| CI 77510 (Prussian Blue) | Pigment |
| CI 77742 (Ammonium and Manganese Diphosphate) | Pigment |
| CI 77745 (manganese bi orthophosphate) | Pigment |
| CI 77891 (titanium dioxide) | Pigment |
| CI 77480, 77491, 77492, 77499 (Iron oxide) | Pigment |
| CI 77711 (magnesium oxide) | Pigment |
| CI 77713 (magnesium carbonate) | Pigment |
| CI77820 (Silver) | Pigment |
| CI 77947 (Zinc oxide) | Pigment |
| Titanium dioxide | Pigment |
| Potassium hydroxide | Other |
| Sodium hydroxide (soda) | Other |
| Silicates | Other |
| Sulfate of soda | Other |
| Zeolites | Other |

**B‐ Approved ingredients for laundry detergents:**

|  |  |
| --- | --- |
| **Chemical name** | **Function (not exhaustive)** |
| Carboxy methyl cellulose | Viscosing and anti‐redeposing Agent |
| Carboxymethyl Inulin | Viscosing and anti‐redeposing Agent |
| TAED (Tetraacetylethylenediamine) | Bleaching Agent |

**C‐ Approved ingredients for powder products:**

|  |  |
| --- | --- |
| **Chemical name** | **Function (not exhaustive)** |
| Sodium Percarbonate | Bleaching Agent |

**D‐ Approved sequestration agents for any type of product:**

A synthetic sequestration agent may be used in a natural detergent provided it respects the following conditions:

‐ Biodegradability > 60% according to OCDE 301

‐ Acute toxicity for water‐borne organisms:

1. value CL50 for fish for 96 hours (Guideline 203 OCDE or equivalent) must be over 10mg/L
2. value CE50 for shellfish for 48 hours (Guideline 202 OCDE or equivalent) must be over 10mg/L
3. value CE50 for a variety of algae for 72 or 96 hours (Guideline 201 OCDE or equivalent) must be over 10mg/L