

### CHART OF OPTICAL BRIGHTENERS

| Sr. No.          | Name of OBA          | CAS No.     | C.I. Fluorescent Brightener No. | Competition Products                                     | Shade/ Tone              | Application method | Key Features   |
|------------------|----------------------|-------------|---------------------------------|--|--------------------------|--------------------|--|
| <b>COTTON</b>    |                      |             |                                 |  |                          |                    |  |
| 1                | Sarawhite (Conc).    | 12768-92-2  | 113                             | Blankophor-BA 267%                                       | Neutral white            | Exhaust            | <ul style="list-style-type: none"> <li>• A high affinity powder form optical brightener</li> <li>• Good wash fastness</li> <li>• Stable to peroxide and reductive bleach</li> </ul>  |
| 2                | Sarawhite-COL.       | 12768-92-02 | 113                             | Leucophor-B COL,<br>Tuboblanc-COL                        | Bluish white             | Exhaust            | <ul style="list-style-type: none"> <li>• A high affinity powder form optical brightener</li> <li>• Stable to peroxide</li> </ul>   |
| 3                | Sarawhite-MST.       | 68971-49-3  | 264                             | Uvitex-MST,<br>Bluetone-MST                              | Bluish violet            | Padding            | <ul style="list-style-type: none"> <li>• A low affinity optical brightener</li> <li>• Excellent levelling properties</li> <li>• Stable with resin recipe</li> <li>• Stable to peroxide and reductive bleach</li> </ul>       |
| 4                | Carewhite-BBU 250 %. | 16470-24-9  | 220                             | Blankophor-BBU<br>250%                                   | Bluish white             | Padding            | <ul style="list-style-type: none"> <li>• A low affinity powder form optical brightener</li> <li>• Can be applied by exhaust with electrolyte</li> </ul>  |
| <b>POLYESTER</b> |                      |             |                                 |  |                          |                    |  |
| 1                | Texwhite-2836.       | 13001-40-6  | 199                             | Ultraphor-RN,<br>Blankophor-PET,<br>Uvitex-ERH           | Reddish white            | Exhaust/Padding    | <ul style="list-style-type: none"> <li>• Dazzling white obtained</li> <li>• Stable to peroxide and reductive bleach</li> <li>• Good light and sublimation fastness</li> </ul>  |
| 2                | Whitex-2357.         | 13001-40-6  | 199                             | Uvitex-EHB   | Bluish white             | Exhaust/Padding    | <ul style="list-style-type: none"> <li>• Stable to peroxide</li> </ul>   |
| 3                | Texwhite-945         | 13001-40-6  | 199                             | Ultraphor-RN PLUS,<br>Hostalux-ESR 440,<br>Blankophor-ER | Reddish neutral<br>white | Exhaust/Padding    | <ul style="list-style-type: none"> <li>• Suitable for combine scouring and weight reduction</li> <li>• High light fastness</li> <li>• Stable to wide pH (2-12)</li> <li>• Stable to peroxide and reductive bleach</li> </ul> |
| 4                | Texwhite-SFN .       | 13001-38-2  | 374 (199:2)                     | Ultraphor-SFN<br>Hostalux-ETB 300%                       | Bluish violet            | Exhaust/Padding    | <ul style="list-style-type: none"> <li>• Suitable at low temperature fixation</li> <li>• Brilliant white obtained</li> <li>• Stable to peroxide and reductive bleach</li> </ul>  |
| 5                | Texwhite-A           | 13001-38-2  | 374 (199:2)                     | Optiblanc-RG/L 200%                                      | Neutral white            | Exhaust/Padding    | <ul style="list-style-type: none"> <li>• Applicable at low temperature</li> <li>• High light fastness</li> <li>• Stable to peroxide, reductive and chlorite bleach</li> </ul>  |

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| 6       | Texwhite-701       | 13001-38-2 | 374 (199:2)                     | Uvitex-EBB New       | Bluish violet | Exhaust/Padding    | <ul style="list-style-type: none"> <li>• Suitable at low temperature fixation</li> <li>• Outstanding levelling properties in exhaust process</li> <li>• Stable to wide pH (3-9)</li> <li>• Stable to peroxide, reductive and chlorite bleach</li> </ul> |
| 7       | Texwhite-EBF 250%. | 1224-41-8  | 185                             | Uvitex-EBF 250 %     | Bluish white  | Exhaust/Padding    | <ul style="list-style-type: none"> <li>• Excellent light fastness</li> <li>• Stable to peroxide, reductive and chlorite bleach</li> <li>• Suitable in acid crosslinking and high electrolyte recipes</li> </ul>   |

### POLYAMIDE, WOOL & SILK

|   |                     |            |     |                 |                 |                 |  |
|---|---------------------|------------|-----|-----------------|-----------------|-----------------|--|
| 1 | Carewhite NW (Conc) | 54351-85-8 | 351 | Uvitex-NFW 450% | Violetish white | Exhaust/Padding | <ul style="list-style-type: none"> <li>• High affinity powder form optical brightener</li> <li>• Stable to wide pH (pH 2-12)</li> <li>• Stable to reductive bleach</li> <li>• Very good fastness properties</li> </ul>                                       |
| 2 | Carewhite-PAS       | 54351-85-8 | 351 | Blankophor-PAS  | Violetish white | Exhaust/Padding | <ul style="list-style-type: none"> <li>• Offers brilliant violetish white shade</li> <li>• Good stability to acid and alkalis, hard water</li> <li>• Good light fastness</li> </ul>  |
| 3 | Sarawhite-CLE       | 12270-53-0 | 191 | Blankophor-CLE  | Violetish white | Exhaust/Padding | <ul style="list-style-type: none"> <li>• Good affinity for nylon under high temperature</li> <li>• Stable to peroxide, reductive and chlorite bleach</li> <li>• High light fastness</li> <li>• Good fastness to chlorinated pool water, sea water</li> </ul> |

### ACRYLIC

|   |              |            |     |              |              |                   |   |
|---|--------------|------------|-----|--------------|--------------|-------------------|---|
| 1 | Sarawhite-CR | 95078-19-6 | 363 | Uvitex-BAC-L | Bluish white | Exhaust/Pad-steam | <ul style="list-style-type: none"> <li>• Excellent whiteness in exhaust process</li> <li>• Stable to peroxide, reductive and chlorite bleach</li> <li>• Good wash fastness</li> </ul> |
|---|--------------|------------|-----|--------------|--------------|-------------------|---|