



GENERAL INFORMATION:

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| 1. IDENTITY | : Sodium Aluminium Sulpho Silicate
(Silicic acid, sodium salt sulfurized) |
| 2. CAS NUMBER | : 57455-37-5 |
| 3. COLOUR INDEX NUMBER | : Pigment Blue 29: 77007 |

COLOUR PROPERTIES:

(Blue reduced with five times its weight of Rutile Titanium Dioxide, drawn down and compared with its Batch Standard in CIELab Scale)

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|----------------------------|--------------------|
| 1. TINTING STRENGTH (IN %) | : 100 ± 5.00. |
| 2. COLOUR DIFFERENCE DE* | : 0.6 Unit Maximum |
| DL* | : ± 0.50 Unit |
| DA* | : ± 0.50 Unit |
| DB* | : ± 0.50 Unit |

OTHER PHYSICAL AND CHEMICAL PROPERTIES:

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|--|----------------------------|
| 1. Appearance | : Blue Powder |
| 2. Apparent density (gms/cc) | : 0.50 to 0.55 |
| 3. Specific Gravity | : 2.35 (Approximately) |
| 4. Moisture content at 105°C % | : 2.0 Maximum |
| 5. Water soluble matter % | : 2.0 Maximum |
| 6. Free sulphur (% by wt) | : 0.010% Maximum (100 ppm) |
| 7. Oil absorption (% by wt) | : 34.00 to 37.00 |
| 8. Median particle diameter | : 2.0 Microns maximum |
| 9. Residue on 45 microns sieve (% by wt) | : 0.02 Maximum |

COLOUR FASTNESS PROPERTIES:

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|-------------------------------------|------------------------|
| 1. Heat at 350 deg c | : Stable for 5 minutes |
| 2. Light (day light and xenon lamp) | : Very good |
| In mass tone | : 7/8 on woolscale |
| In reduced tone | : 7/8 on woolscale |
| 3. In acids | : Poor |
| 4. In alkalis | : Good |
| 5. Weather fastness | : 4/5 in grey scal |
| 6. Warpage | : No warpage |

TOXICITY:

Least toxic and a safe pigment for industrial applications. It is ecologically non-hazardous and does not create any skin or eye irritation.

USAGE IN COSMETICS:

Conforms to regulations in most countries in the world.

Note:-

The information provided above is for general guidelines only and subject to change without notice. Ultramarine & Pigments Limited assumes no responsibility and users are advised to test the products for suitability prior to use on a commercial or production scale.