



**REACH Registration No. 01-2119488928-13-0003**

**GENERAL INFORMATION:**

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|------------------------|--|
| 1. IDENTITY            | : Sodium Aluminium Sulpho Silicate<br>(Silicic acid, aluminium 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:**

- |  |                            |
|--|----------------------------|
| 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 %           | : 1.0 Maximum              |
| 5. Water soluble matter %                | : 1.0 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:**

- |                                     |                        |
|-------------------------------------|------------------------|
| 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                 |

**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.*