



GENERAL INFORMATION:

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|------------------------|------------------------------------|
| 1. IDENTITY | : Sodium Aluminium Sulpho Silicate |
| 2. CAS NUMBER | : 57455-37-5 / 101357-30-6 |
| 3. COLOUR INDEX NUMBER | : Pigment Blue 29 C.I.No. 77007 |

COLOUR PROPERTIES:

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

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|--------------------------|--------------------|
| 1. TINTING STRENGTH (%) | : 100 ± 5 |
| 2. COLOUR DIFFERENCE DE* | : 1.0 Unit Maximum |
| DL* | : ± 0.5 Unit |
| DA* | : ± 0.5 Unit |
| DB* | : ± 0.5 Unit |

OTHER PHYSICAL AND CHEMICAL PROPERTIES:

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|---|-----------------------|
| 1. Appearance | : Blue Powder |
| 2. Apparent density (g/cc) | : 0.50 to 0.85 |
| 3. Moisture content at 105°C (% by Wt.) | : 1.0% Maximum |
| 4. Water soluble matter | : 2.0% Maximum |
| 5. Free sulphur (% by wt.) | : 100 ppm Maximum |
| 6. Oil absorption (% by wt.) | : 34 to 37 |
| 7. Median particle diameter | : 2.5 Microns Maximum |
| 8. Residue on 45 microns sieve (% by wt.) | : 0.2 Maximum |

COLOUR FASTNESS PROPERTIES:

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|-------------------------------------|---------------------------------|
| 1. Heat Stability | : Stable at 350°C for 5 minutes |
| 2. Light (day light and xenon lamp) | : Very good |
| In mass tone | : 7/8 on Wool scale |
| In reduced tone | : 7/8 on Wool scale |
| 3. Weather Fastness | : 4/5 on Grey scale |
| 4. In acids | : Poor |
| 5. In alkalis | : Good |

TOXICITY:

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

USAGE IN COSMETICS:

Conforms to various regulations in most of the 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.