



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.) | : 2.0% Maximum |
| 4. WATER SOLUBLE MATTER (% BY WT.) | : 2.0% Maximum |
| 5. FREE SULPHUR | : 100 ppm. Maximum |
| 6. OIL ABSORPTION (% BY WT.) | : 34 to 37 |
| 7. MEDIAN PARTICLE DIAMETER | : 4.0 Microns maximum |
| 8. RESIDUE ON 45 MICRONS SIEVE (% BY WT.) | : 1.0 Maximum |

COLOUR FASTNESS PROPERTIES:

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|-------------------------------------|---------------------|
| 1. HEAT AT 350 DEG C IN AIR | : Stable |
| 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.