TECHNICAL DATA SHEET: - ULTRAMARINE BLUE



Pigments Division

GENERAL INFORMATION

1. IDENTITY : Sodium Alumino Sulpho Silicate

2. CAS NUMBER : 57455 - 37 - 5

3. COLOUR INDEX NUMBER : Pigment Blue 29: 77007

COLOUR PROPERTIES

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

. TINTING STRENGTH (IN %) : +/- 5.00

2. COLOUR DIFFERENCE DE* : 1.00 Unit Maximum

 DL^* : +/- 0.50 Unit DA* : +/- 0.80 Unit DB* : +/- 1.00 Unit

OTHER PHYSICAL AND CHEMICAL PROPERTIES

1. APPEARANCE : Blue Powder

2. TAP DENSITY (g/cc) : 0.50 - 0.80

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 (ppm By Wt.) : 200 Maximum

7. OIL ABSORPTION (% By Wt.) : 34.00 - 37.00

8. MEDIAN PARTICLE DIAMETER (μm) : 2.00 Maximum

9. RESIDUE ON 45 MICRONS SIEVE (% By Wt.): NIL Maximum

COLOUR FASTNESS PROPERTIES

HEAT AT 350 DEG.C IN AIR
LIGHT (DAY LIGHT AND XENON LAMP)
Very go

2. LIGHT (DAY LIGHT AND XENON LAMP) : Very good : 7 / 8 on Woolscale

IN REDUCED TONE : 7/8 on Woolscale

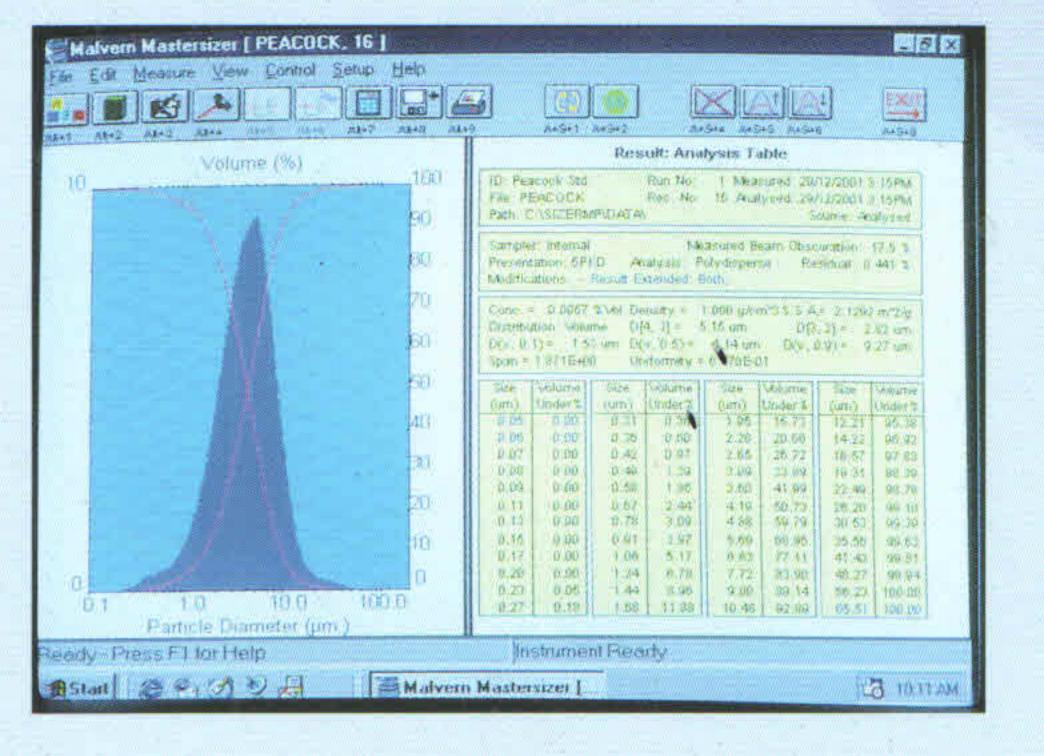
3. IN ACIDS : Poor 4. IN ALKALIS : Good

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 Ltd.,** assumes no responsibility and users are advised to test the products for suitability prior to use on a commercial or production scale.