

**MATERIAL SAFETY DATA SHEET :**  
(according to 2001/58/EC)

**01 Trade Name and Company.**

**01 Trade Name :** **SUNTONE PIGMENTS**  
**02 Company :** VIPUL Organics LTD.,  
 102, ANDHERI INDUSTRIAL ESTATE,  
 OFF VEERA DESAI ROAD, ANDHERI (W), MUMBAI – 400053  
**03 Uses :** For Plastic/ Ink/Paint/ Textile Application

**02 Composition / information on ingredients.**

**01. General Description :** **PIGMENT Blue 15.1 (CAS NO. 147-14-8)**  
**(C.I.NO. 74160)**

**03 Hazardous Identification :**

**01 Risk phrases :** None.

**04 First-aid measures.**

**01 General procedures :** Remove contaminated clothing.  
**02 Inhalation :** If symptoms due to inhalation of dust are observed : remove person to fresh air, seek medical advice.  
**03 Skin contact :** After contact with skin, wash skin water and soap.  
**04 Eye contact :** After contact with eyes, rinse immediately with plenty of water and seek medical advice.  
**05 Ingestion :** If swallowed, rinse mouth with plenty of water and give water to drink. Seek medical advice.

**05 Fire-fighting measures.**

**01 Extinguishing media :** Waterspray, foam, dry chemical, carbon dioxide (CO<sub>2</sub>).  
**02 Protective equipment :** Self containing breathing apparatus.  
**03 Special exposure Hazardous :** If involved in a fire the product may emit toxic/ irritant fumes. (CO. Nox).

**06 Accidental release measures.**

**01 Personal protection :** Avoid inhalation of dust.  
**02 Environmental protection :** Prevent entry into sewers, water sources of soil.  
**03 Cleaning measures :** Sweep up dry and put in a drum for disposal. Remove remainders with running water and detergent.

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**07 Handling and Storage.**

- 01 Handling** : Maintain appropriate ventilation in storage- and working place.
- 02 Fire and explosion precautions:** Keep away from open fire and sources of ignition.
- 03 Storage** : Keep container tightly closed and store in dry and cool conditions.

**08 Exposure controls / personal protection.**

- 01 Substances with exposure limits:** Total dust : 10 mg/m<sup>3</sup>.
- 02 Personal protection:**
- |                                     |                                                                                                           |
|-------------------------------------|-----------------------------------------------------------------------------------------------------------|
| Respiratory protection recommended. | : Avoid inhalation of dust. Dust mask                                                                     |
| Skin protection                     | : Impervious gloves. (PVC, rubber, neoprene)                                                              |
| Face protection                     | : Safety glasses.                                                                                         |
| General measures                    | : Store handle and use in accordance with good industrial hygiene practices when handling with chemicals. |

**09 Physical and chemical properties.**

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|-----------------------------------------|---|----------------------------|
| <b>01 Physical form</b>                 | : | POWDER                     |
| <b>02 Colour</b>                        | : | <b>Blue</b>                |
| <b>03 Odour</b>                         | : | None.                      |
| <b>04 Change of physical form</b>       | : | See 09.05 upto 09.10 incl. |
| <b>05 Boiling point / boiling range</b> | : | n.a.                       |
| <b>06 Point of solidification</b>       | : | n.a.                       |
| <b>07 Melting point/melting range</b>   | : | Not known.                 |
| <b>08 Flash point</b>                   | : | n.a.                       |
| <b>09 Flammability</b>                  | : | Not known.                 |
| <b>10 Decomposition temperature</b>     | : | Not known.                 |
| <b>11 Explosive properties</b>          | : | n.a.                       |
| <b>12 Vapour pressure</b>               | : | n.a.                       |
| <b>13 Relative density</b>              | : | n.a.                       |
| <b>14 Bulk density</b>                  | : | Not known.                 |
| <b>15 Solubility in water</b>           | : | Insoluble                  |

**10 Physical and chemical properties.**

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|---------------------------------------------------|---|------------|
| <b>01 Solubility in other solvents</b>            | : | n.a.       |
| <b>02 pH-value</b>                                | : | 7-8        |
| <b>03 Partition Coefficient (n-octanol/water)</b> | : | Not known. |
| <b>04 Viscosity</b>                               | : | n.a.       |

**11 Stability and reactivity.**

- |                               |   |              |
|-------------------------------|---|--------------|
| <b>01 Stability</b>           | : | <b>280°C</b> |
| <b>02 Materials to avoid</b>  | : | None.        |
| <b>03 Conditions to avoid</b> | : | None known.  |
| <b>04 Hazardous reactions</b> | : | None         |

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**12 Toxicological information.**

|           |                                      |   |                            |
|-----------|--------------------------------------|---|----------------------------|
| <b>01</b> | <b>Acute toxicity, LD50/oral/rat</b> | : | Not effective upto 2400 mg |
| <b>02</b> | <b>Primary skin irritation/rabbi</b> | : | Not irritating             |
| <b>03</b> | <b>Primary eye irritation/rabbit</b> | : | n.d.a.                     |
| <b>04</b> | <b>Inhalation risk</b>               | : | n.d.a.                     |
| <b>05</b> | <b>Sensitization risk</b>            | : | n.d.a.                     |

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**13 Ecological information.**

|           |                                         |   |                     |
|-----------|-----------------------------------------|---|---------------------|
| <b>01</b> | <b>Biodegradability</b>                 | : | n.a.                |
| <b>02</b> | <b>Ecotoxicity</b>                      | : | See 12.11 and 12.20 |
| <b>03</b> | <b>Fish toxicity</b>                    | : | n.d.a.              |
| <b>04</b> | <b>Toxicity to bacteria in effluent</b> | : | n.a.                |

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**14 Disposal considerations.**

- 01 Product** : Product should be disposed of by land-fill or incineration plant at an authorized site in accordance with local regulations.
- 02 Packings** : Clean packing can be re-used. Uncleaned packing should be disposed of the same way as the product.
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**15 Transport information.**

Product is not classified as dangerous for transport. Additional information : Keep away from foodstuffs.

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**16 Regulations.**

- 01 Classification acc. To EC directives :**  
Not classified as hazardous substance according to the classification, Packing and Labelling of Dangerous Substances Regulations (EC Council Directive 67/548/EEC and 88/379/EEC. Amended).
- 02 National Regulations :**  
WGK (Water Pollution Class) : not known  
Classification according to the German Water Resources Act.
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**17 Other information.**

n.a. : not applicable  
n.d.a. : not data available

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This product should be stored, handle and used in accordance with good industrial hygiene practices and in conformity with any legal regulations. The information contained herein is based on the present state of our knowledge and is intended to describe our product from a point of view of health and safety requirements. It should not therefore be construed as guaranteeing specific properties