



Pigment Yellow 1

CI: CI PY1 | C.I. No. 11680 | CAS: 2521-29-0 | Form: Powder | Purity: >= 99%

SECTION 1 -- PRODUCT IDENTIFICATION

|                  |                                      |
|------------------|--------------------------------------|
| Product Name     | Pigment Yellow 1                     |
| Product Code     | PY1                                  |
| Colour Index     | CI PY1   C.I. No. 11680              |
| CAS Number       | 2521-29-0                            |
| Molecular Weight | 340.37 g/mol                         |
| Chemical Class   | Monoazo                              |
| Form             | Powder                               |
| Purity           | >= 99%                               |
| Supplier         | Kanani Dyes Chem LLP, Gujarat, India |
| Emergency Tel.   | +91 88499 95971                      |
| Email            | sales@kananipigment.com              |

SECTION 2 -- HAZARD IDENTIFICATION (GHS)

|                    |                                                       |
|--------------------|-------------------------------------------------------|
| GHS Classification | Not classified as hazardous (solid inert pigment)     |
| Signal Word        | None required                                         |
| Hazard Statements  | No significant hazard under normal conditions of use  |
| Precautionary      | P260: Avoid breathing dust   P273: Avoid env. release |
| HMIS Rating        | Health: 1 Flammability: 1 Reactivity: 0               |

SECTION 3 -- COMPOSITION / INGREDIENTS

|                  |                                   |
|------------------|-----------------------------------|
| Chemical Name    | Monoazo                           |
| CAS Number       | 2521-29-0                         |
| Colour Index No. | CI PY1   C.I. No. 11680           |
| Mol. Weight      | 340.37 g/mol                      |
| Concentration    | >= 99%                            |
| Hazardous Impur. | None known -- inert solid pigment |

**SECTION 4 -- FIRST AID MEASURES**

|                |                                                                                              |
|----------------|----------------------------------------------------------------------------------------------|
| Eye Contact    | Rinse with plenty of clean water for min. 15 min. Seek medical attention if irritation persi |
| Skin Contact   | Wash with soap and water. Remove contaminated clothing. Seek attention if irritation develop |
| Inhalation     | Move to fresh air immediately. Give oxygen if breathing difficult. Seek medical attention.   |
| Ingestion      | Do NOT induce vomiting. Rinse mouth. Give water to drink. Seek immediate medical attention.  |
| Note to Doctor | Symptomatic supportive care. No specific antidote.                                           |

**SECTION 5 -- FIRE FIGHTING MEASURES**

|                     |                                                                 |
|---------------------|-----------------------------------------------------------------|
| Flash Point         | Not applicable -- non-flammable solid powder                    |
| Auto-ignition Temp. | > 300 degC                                                      |
| Extinguishing Media | CO2, dry chemical powder, water spray, foam                     |
| Special Hazards     | CO, CO2, NOx may evolve on thermal decomposition above 300 degC |
| Protective Equip.   | Self-contained breathing apparatus (SCBA) if required           |

**SECTION 6 -- ACCIDENTAL RELEASE**

|                      |                                                                      |
|----------------------|----------------------------------------------------------------------|
| Personal Precautions | Dust mask (P2/N95), gloves, safety glasses                           |
| Environmental        | Prevent entry into drains, waterways and soil                        |
| Spill Clean-up       | Collect mechanically. Do not use compressed air. Seal in containers. |
| Disposal             | Dispose per local/national regulations. Do not dispose to drain.     |

**SECTION 7 -- HANDLING & STORAGE**

|               |                                                                            |
|---------------|----------------------------------------------------------------------------|
| Safe Handling | Avoid dust generation. Use LEV where possible. Wear PPE.                   |
| Storage Cond. | Store in sealed containers in a cool, dry place. Moisture content: 1% Max. |
| Container     | Keep tightly closed when not in use                                        |
| Shelf Life    | 2 years from date of manufacture                                           |

## SECTION 8 -- EXPOSURE CONTROLS / PERSONAL PROTECTION

|                   |                                                               |
|-------------------|---------------------------------------------------------------|
| OEL (8h TWA)      | 1 mg/m3 inhalable dust -- verify applicable local regulations |
| Respiratory PPE   | P2/N95 dust mask where dust cannot be avoided                 |
| Eye Protection    | Safety glasses or chemical splash goggles                     |
| Hand Protection   | Nitrile or latex gloves (EN ISO 374)                          |
| Body Protection   | Dustproof protective clothing and safety footwear             |
| Engineering Ctrl. | Local exhaust ventilation (LEV) preferred over RPE            |

## SECTION 9 -- PHYSICAL &amp; CHEMICAL PROPERTIES

|                |                         |                |                       |
|----------------|-------------------------|----------------|-----------------------|
| Physical State | Solid - Powder          | Solub. (Water) | Practically insoluble |
| Shade          | Bright Yellow           | pH Value       | 7.0                   |
| Odour          | Odourless               | Oil Absorption | 37 cc/100g            |
| Density        | 1.486 g/cm <sup>3</sup> | Decomposition  | > 300 degC            |
| Moisture       | 1% Max                  | Flammability   | Not flammable         |

## SECTION 10 -- STABILITY &amp; REACTIVITY

|                     |                                                          |
|---------------------|----------------------------------------------------------|
| Stability           | Stable under normal conditions of storage and handling   |
| Heat Resistance     | Stable at 180degC-200degC                                |
| Conditions to Avoid | Excessive heat (>300degC), moisture, open flame          |
| Incompatible        | Strong oxidising agents, strong acids and strong alkalis |
| Hazardous Products  | CO, CO2, NOx on thermal decomposition above 300 degC     |

**SECTION 11 -- TOXICOLOGICAL INFORMATION**

|                   |                                                           |
|-------------------|-----------------------------------------------------------|
| Acute Toxicity    | Not classified as acutely toxic (based on available data) |
| Skin Irritation   | Not classified as a skin irritant (EC 1272/2008)          |
| Eye Irritation    | Not classified as an eye irritant                         |
| Carcinogenicity   | No components listed as carcinogenic (IARC / NTP / OSHA)  |
| Reproductive Tox. | No data indicating reproductive toxicity                  |

**SECTION 12 -- ECOLOGICAL INFORMATION**

|               |                                                        |
|---------------|--------------------------------------------------------|
| Ecotoxicity   | Low risk -- practically insoluble, not bioaccumulative |
| Persistence   | Not readily biodegradable as organic pigment           |
| Soil Mobility | Low mobility -- particle size and water insolubility   |

**SECTION 13 -- DISPOSAL CONSIDERATIONS**

|                 |                                                              |
|-----------------|--------------------------------------------------------------|
| Waste Category  | Non-hazardous solid waste (verify with local authority)      |
| Disposal Method | According to local/state/national regulations. Not to drain. |

**SECTION 14 -- TRANSPORT INFORMATION**

|                  |                                                    |
|------------------|----------------------------------------------------|
| UN Number        | Not regulated -- not classified as dangerous goods |
| Hazard Class     | Not applicable                                     |
| Packing Group    | Not applicable                                     |
| Marine Pollutant | Not a marine pollutant                             |

**SECTION 15 -- REGULATORY INFORMATION**

|                |                                                         |
|----------------|---------------------------------------------------------|
| RoHS           | Compliant -- no restricted hazardous substances         |
| REACH (EU)     | Registered / Compliant -- EU REACH Regulation 1907/2006 |
| BIS / IS       | Manufactured as per applicable Indian Standards         |
| Export (India) | Freely exportable -- DGFT guidelines                    |

**SECTION 16 -- OTHER INFORMATION**

|              |                                                                       |
|--------------|-----------------------------------------------------------------------|
| Prepared By  | Kanani Dyes Chem LLP -- Technical & Quality Dept.                     |
| Data Sources | Company product data, published literature, GHS guidelines            |
| Disclaimer   | Information is believed accurate. Replace with verified company data. |

**For Samples, Pricing & Technical Queries:**

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