



## Technical Specification

### **GB**super pig. Yellow

|                     |                                 |
|---------------------|---------------------------------|
| <u>Product Name</u> | : GBsuper pig. yellow           |
| Shade               | : Bright greenish yellow        |
| Chemical class      | : Mono-azo pigment without lake |
| forming group       |                                 |

#### Physical Property

|              |                       |
|--------------|-----------------------|
| From         | : Free flowing powder |
| Pigmentation | : 55%                 |
| Bulk density | : 1.2                 |
| PH           | : 8 to 8.5            |

#### Field of application : ( for water based applications)

Useful for coloring following fields of application.

- Water based paints
- Water based inks
- Building and construction
- Leather
- Paper and pulp
- Detergents
- Artist's colors
- Textile printing
- How to make cement cube from GB super pig i.e. "Colored Concrete"?
- 5000 grams sand ,
- 5600 grams of gravel ,
- 1666 grams of cement
- 1.33 liters of water
- 22 grams GBsuper Pigment
- Quality and durability test applied to that cubes & the result is very good

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Product name: **GB**super pig. Yellow

**Reduction:**

**1- pigment Application**

|                   |     |
|-------------------|-----|
| Offset            | : √ |
| Gravure           | : √ |
| Flexo             | : √ |
| TPC Inks          | : √ |
| Emulsion Paint    | : √ |
| Air Drying Enamel | : √ |
| Stoving Enamel    | : √ |
| N.C Lacquer       | : √ |
| O.B.D             | : √ |
| Distempers        | : √ |
| Plastics          | : • |
| Leather Cloth     | : √ |
| Rubber            | : • |
| Aqueous Emulsion  | : √ |

**2- Legends Used**

- √ Recommended for use
- × Not Recommended
- Some Rrestricted Use

**3- Pigment Properties**

|                             |       |
|-----------------------------|-------|
| Specific Gravity            | : 1.4 |
| Oil Absorption (gm/100gms)  | : 45  |
| pH of 1 % extract           | : 7   |
| Reagents (Sacle:1 to 5)     |       |
| Water                       | : 5   |
| 5%HCl                       | : 5   |
| 5%NaOH                      | : 5   |
| Lime                        | : 5   |
| Solvents (Sacle:1 to 5)     |       |
| Ethanol                     | : 5   |
| N-Butanol                   | : 5   |
| N-Buty Acetate              | : 3   |
| M.E.K                       | : 4   |
| Plasticizers (Sacle:1 to 5) |       |
| White Spirit                | :4    |
| Xylene                      | :3    |
| Mixed NC Solvents           | :4    |
| Cellosolve                  | :4    |

**4- Fastness Properties**

|                        |     |
|------------------------|-----|
| <b>Light (1 to 8 )</b> |     |
| Full strength          | : 7 |
| Reduction 1:10 Tio2    | : 5 |
| <b>Heat (1 to 5 )</b>  |     |
| 150° C (300 F) 20 min  | : 5 |
| 180° C (355 F) 10 min  | : 4 |
| 120° C (300 F) 30 min  | : 5 |
| N.C.Lacquer            | : 4 |

## Technical Specification

# **GBsuper pig. Red**

|                     |                     |
|---------------------|---------------------|
| <u>Product Name</u> | : GBsuperpig. Red   |
| Shade               | : Red               |
| Chemical class      | : Mono-azo org.dyes |

### Physical Property

|              |                       |
|--------------|-----------------------|
| From         | : Free flowing powder |
| Pigmentation | : 55%                 |
| Bulk density | : 1.2                 |
| PH           | : 8 to 8.5            |

### Field of application : ( for water based applications)

Useful for coloring following fields of application.

- Water based paints
- Water based inks
- Building and construction
- Leather
- Paper and pulp
- Detergents
- Artist's colors
- Textile printing
- How to make cement cube from GB super pig i.e. "Colored Concrete"?
- 5000 grams sand ,
- 5600 grams of gravel ,
- 1666 grams of cement
- 1.33 liters of water
- 22 grams GBsuper Pigment
- Quality and durability test applied to that cubes & the result is very good

Product name: **GB**superpig. Red

### **Reduction:**

#### **1- pigment Application**

|                   |     |
|-------------------|-----|
| Offset            | : √ |
| Gravure           | : √ |
| Flexo             | : √ |
| TPC Inks          | : √ |
| Emulsion Paint    | : √ |
| Air Drying Enamel | : √ |
| Stoving Enamel    | : √ |
| N.C Lacquer       | : √ |
| O.B.D             | : √ |
| Distempers        | : √ |
| Plastics          | : • |
| Leather Cloth     | : √ |
| Rubber            | : • |
| Aqueous Emulsion  | : √ |

#### **2- Legends Used**

- √ Recommended for use
- × Not Recommended
- Some Rrestricted Use

#### **3- Pigment Properties**

|                             |       |
|-----------------------------|-------|
| Specific Gravity            | : 1.4 |
| Oil Absorption (gm/100gms)  | : 50  |
| pH of 1 % extract           | : 7   |
| Reagents (Sacle:1 to 5)     |       |
| Water                       | : 5   |
| 5%HCl                       | : 5   |
| 5%NaOH                      | : 5   |
| Lime                        | : 4   |
| Solvents (Sacle:1 to 5)     |       |
| Ethanol                     | : 5   |
| N-Butanol                   | : 5   |
| N-Buty Acetate              | : 4   |
| M.E.K                       | : 4   |
| Plasticizers (Sacle:1 to 5) |       |
| White Spirit                | : 3   |
| Xylene                      | : 3   |
| Mixed NC Solvents           | : 3   |
| Cellosolve                  | : 3   |

#### **4- Fastness Properties**

|                        |     |
|------------------------|-----|
| <b>Light (1 to 8 )</b> |     |
| Full strength          | : 7 |
| Reduction 1:10 Tio2    | : 6 |
| <b>Heat (1 to 5 )</b>  |     |
| 150° C (300 F) 20 min  | : 5 |
| 180° C (355 F) 10 min  | : 4 |
| 120° C (300 F) 30 min  | : 5 |
| N.C.Lacquer            | : 4 |

## Technical Specification

### **GB**super pig. Blue

Product Name : **GB**super pig. blue  
Chemical class : phthalocyanine

#### Physical Property

From : Free flowing powder  
Pigmentation : 55%  
Bulk density : 1.3  
PH : 8 to 8.5

Field of application : ( for water based applications)

Useful for coloring following fields of application.

- Water based paints
- Water based inks
- Building and construction
- Leather
- Paper and pulp
- Detergents
- Artist's colors
- Textile printing
- How to make cement cube from **GB** super pig i.e. "Colored Concrete"?
- 5000 grams sand ,
- 5600 grams of gravel ,
- 1666 grams of cement
- 1.33 liters of water
- 22 grams **GB**super Pigment
- Quality and durability test applied to that cubes & the result is very good

Product name: **GB**superpig. Blue

**Reduction:**

**1- pigment Application**

|                                |     |
|--------------------------------|-----|
| Printing Inks                  | : √ |
| Gravure printing Inks          | : √ |
| Tin printing Inks              | : √ |
| Decorative Paints              | : √ |
| Automotive Paints              | : √ |
| Industrial Paints              | : √ |
| Polyethylene Plastic           | : √ |
| Polystyrene Plastics           | : √ |
| PVC Plastics                   | : √ |
| Rubber                         | : √ |
| Dry colours                    | : √ |
| Paper                          | : √ |
| Stationery / Artists Material  | : √ |
| Pigment Ptg. Emulsion Textiles | : √ |
| Mass Colouration of viscose    | : - |
| Detergents                     | : - |

**2- Legends Used**

- √ Recommended for use
- × Not Recommended
- Some Rrestricted Use

**3- Pigment Properties**

|                            |        |
|----------------------------|--------|
| Water                      | : 5    |
| Specific Gravity           | : 1.4  |
| Oil Absorption (gm/100gms) | : 40   |
| Hue                        | : Blue |
| Heat Resistance            | : 180  |
| Chemical Resistance        | : CPC  |
| 5 % soda Ash               | : 5    |
| 5 % Acid (HCl)             | : 5    |
| Linseed Oil                | : 5    |
| Oleic Acid                 | : 5    |
| Plasticisers               | : 5    |
| Soap Gel Bleed             | : 5    |

**4- Fastness Properties**

|                         |       |
|-------------------------|-------|
| <b>Light Fastness</b>   |       |
| 25 % shade              | : 7-8 |
| 10 % shade              | : 7-8 |
| 5 % shade               | : 7-8 |
| <b>Solvent Fastness</b> |       |
| Mineral Turpentine      | : 5   |
| Cellosolve              | : 4-5 |
| Esters                  | : 5   |
| Ethanol                 | : 5   |
| Ketones                 | : 5   |
| NC Solvents             | : 4-5 |
| Xylene                  | : 4-5 |

## Technical Specification

### **GBsuper pig. Green**

Product Name : GBsuper pig. green  
Chemical class : phthalocyanine, chlorinated

#### Physical Property

From : Free flowing powder  
Pigmentation : 55%  
Bulk density : 1.2  
PH : 8 to 8.5

Field of application : ( for water based applications)

Useful for coloring following fields of application.

- Water based paints
- Water based inks
- Building and construction
- Leather
- Paper and pulp
- Detergents
- Artist's colors
- Textile printing
- How to make cement cube from GB super pig i.e. "Colored Concrete"?
- 5000 grams sand ,
- 5600 grams of gravel ,
- 1666 grams of cement
- 1.33 liters of water
- 22 grams GBsuper Pigment
- Quality and durability test applied to that cubes & the result is very good

Product name: **GB**superpig. Green

## **Reduction:**

### **1- pigment Application**

|                                |     |
|--------------------------------|-----|
| Printing Inks                  | : √ |
| Gravure printing Inks          | : √ |
| Tin printing Inks              | : √ |
| Decorative Paints              | : √ |
| Automotive Paints              | : √ |
| Industrial Paints              | : √ |
| Polyethylene Plastic           | : √ |
| Polystyrene Plastics           | : √ |
| PVC Plastics                   | : √ |
| Rubber                         | : √ |
| Dry colours                    | : √ |
| Paper                          | : √ |
| Stationery / Artists Material  | : √ |
| Pigment Ptg. Emulsion Textiles | : √ |
| Mass Colouration of viscose    | : √ |
| Detergents                     | : √ |

### **2- Legends Used**

- √ Recommended for use
- × Not Recommended
- Some Rrestricted Use

### **3- Pigment Properties**

|                            |                |
|----------------------------|----------------|
| Water                      | : 5            |
| Specific Gravity           | : 1.447        |
| Oil Absorption (gm/100gms) | : 29           |
| Hue                        | : Bright Green |
| Heat Resistance            | : 180          |
| Chemical Resistance        | : CPC          |
| 5 % soda Ash               | : 5            |
| 5 % Acid (HCl)             | : 5            |
| Linseed Oil                | : 5            |
| Oleic Acid                 | : 5            |
| Plasticisers               | : 5            |
| Soap Gel Bleed             | : 5            |

### **4- Fastness Properties**

|                         |       |
|-------------------------|-------|
| <b>Light Fastness</b>   |       |
| 25 % shade              | : 7-8 |
| 10 % shade              | : 7-8 |
| 5 % shade               | : 7-8 |
| <b>Solvent Fastness</b> |       |
| Mineral Turpentine      | : 5   |
| Cellosolve              | : 4-5 |
| Esters                  | : 5   |
| Ethanol                 | : 4-5 |
| Ketones                 | : 4-5 |
| NC Solvents             | : 5   |
| Xylene                  | : 5   |



Product name: **GBsuper pig. Orange**

**Reduction:**

**1- pigment Application**

|                   |     |
|-------------------|-----|
| Offset            | : √ |
| Gravure           | : √ |
| Flexo             | : √ |
| TPC Inks          | : √ |
| Emulsion Paint    | : √ |
| Air Drying Enamel | : √ |
| Stoving Enamel    | : √ |
| N.C Lacquer       | : √ |
| O.B.D             | : √ |
| Distempers        | : √ |
| Plastics          | : √ |
| Leather Cloth     | : √ |
| Rubber            | : √ |
| Aqueous Emulsion  | : √ |

**2- Legends Used**

- √ Recommended for use
- × Not Recommended
- Some Restricted Use

**3- Pigment Properties**

|                             |       |
|-----------------------------|-------|
| Specific Gravity            | : 1.4 |
| Oil Absorption (gm/100gms)  | : 50  |
| pH of 1 % extract           | : 7   |
| Reagents (Sacle:1 to 5)     |       |
| Water                       | : 5   |
| 5%HCl                       | : 5   |
| 5%NaOH                      | : 5   |
| Lime                        | : 5   |
| Solvents (Sacle:1 to 5)     |       |
| Ethanol                     | : 4   |
| N-Butanol                   | : 4   |
| N-Buty Acetate              | : 3   |
| M.E.K                       | : 2   |
| Plasticizers (Sacle:1 to 5) |       |
| White Spirit                | : 4   |
| Xylene                      | : 4   |
| Mixed NC Solvents           | : 4   |
| Cellosolve                  | : 4   |

**4- Fastness Properties**

|                        |     |
|------------------------|-----|
| <b>Light</b> (1 to 8 ) |     |
| Full strength          | : 6 |
| Reduction 1:10 Tio2    | : 4 |
| <b>Heat (1 to 5 )</b>  |     |
| 150° C (300 F) 20 min  | : 4 |
| 180° C (355 F) 10 min  | : 3 |
| 120° C (300 F) 30 min  | : 2 |
| N.C.Lacquer            | : 4 |

## Technical Specification

# **GB**super pig. Black

Chemical nature: carbon black

Physical form: free flowing powder

Physical data:

Bulk density 1.3

pH value: 8.5-9

pigmentgehalt

Fastness to weathering: 4-5, full shade (DIN 54001)

Field of application : ( for water based applications)

Useful for coloring following fields of application.

- Water based paints
- Water based inks
- Building and construction
- Leather
- Paper and pulp
- Detergents
- Artist's colors
- Textile printing
- How to make cement cube from **GB** super pig i.e. "Colored Concrete"?
- 5000 grams sand ,
- 5600 grams of gravel ,
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- 22 grams **GB**super Pigment
- Quality and durability test applied to that cubes & the result is very good