

# Safety Data Sheet

according to Regulation (EC) No 1907/2006



## Cobalt Blue

Print date: 21.02.2017

Product code: 1028

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### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Terracolor 1028 Cobalt Blue

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

##### Use of the substance/mixture

Manufacture of ceramic coatings suited for firing ceramics.

#### 1.3. Details of the supplier of the safety data sheet

|                 |                             |                              |
|-----------------|-----------------------------|------------------------------|
| Company name:   | TerraColor, B. + M. Szurman |                              |
| Street:         | Manderscheidtstr. 90        |                              |
| Place:          | D-45141 Essen               |                              |
| Telephone:      | +49 (0) 201 293300          | Telefax: +49 (0) 201 2944389 |
| e-mail:         | info@terracolor.de          |                              |
| Contact person: | Dr. Monika Szurman          |                              |
| e-mail:         | sdb@terracolor.de           |                              |
| Internet:       | www.terracolor.de           |                              |

#### 1.4. Emergency telephone number:

+49 (0) 201 293300

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

The preparation is not dangerous in the sense of Directive 1999/45/EC.

This mixture is classified as not hazardous according to Regulation (EC) 1272/2008 [GHS].

#### 2.2. Label elements

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

##### Chemical characterization

Mixture of frits (silicate glasses), mineral oxides and inorganic pigments.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### General information

Remove contaminated or saturated clothing.

##### After inhalation

Take affected persons out into the fresh air.

##### After contact with skin

Precautionally wash off with soap and water.

##### After contact with eyes

In case of contact with eyes rinse thoroughly with water.

##### After ingestion

In the event of symptoms refer for medical treatment.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

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### **Suitable extinguishing media**

The product itself does not burn. Co-ordinate fire-fighting measures to the fire surroundings.

### **Extinguishing media which must not be used for safety reasons**

none known

### **5.2. Special hazards arising from the substance or mixture**

none known

### **5.3. Advice for firefighters**

Employ protective equipment commonly used in the event of fire.

## **SECTION 6: Accidental release measures**

### **6.1. Personal precautions, protective equipment and emergency procedures**

Wear personal protection equipment. Provide adequate ventilation. Avoid generation of dust.

### **6.2. Environmental precautions**

Prevent penetration into stretches of water and drainage systems.

### **6.3. Methods and material for containment and cleaning up**

Pick up mechanically and collect in a suitable container. Avoid formation of dust.

## **SECTION 7: Handling and storage**

### **7.1. Precautions for safe handling**

#### **Advice on safe handling**

Avoid production of dust. Do not breathe dust. Open windows to ensure natural ventilation.

#### **Advice on protection against fire and explosion**

No special fire protection measures are necessary.

### **7.2. Conditions for safe storage, including any incompatibilities**

#### **Requirements for storage rooms and vessels**

No special storage conditions are necessary.

## **SECTION 8: Exposure controls/personal protection**

### **8.1. Control parameters**

#### **Additional advice on limit values**

Observe general dust limit MAK (A = respirable fraction): 3 mg/m<sup>3</sup>.

### **8.2. Exposure controls**

#### **Protective and hygiene measures**

Do not breathe dust. Wash hands before breaks and after work.

#### **Hand protection**

Wear protective gloves made of the following materials: NBR (Nitrile rubber).

#### **Eye protection**

Dust protection goggles.

## **SECTION 9: Physical and chemical properties**

### **9.1. Information on basic physical and chemical properties**

|                 |            |
|-----------------|------------|
| Physical state: | Powder     |
| Colour:         | light pink |
| Odour:          | odourless  |

**Test method**

**Changes in the physical state**

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|                   |                   |
|-------------------|-------------------|
| Melting point:    | No data available |
| Flash point:      | not applicable    |
| Water solubility: | not determined    |

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Stable under recommended storage conditions.

### 10.2. Chemical stability

No decomposition if stored normally.

### 10.3. Possibility of hazardous reactions

none known

### 10.4. Conditions to avoid

No dangerous reaction known under conditions of normal use.

### 10.5. Incompatible materials

none known

### 10.6. Hazardous decomposition products

none known

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### **Acute toxicity**

Acute, oral toxicity  
frits, chemicals: LD50: > 2.000,00 mg/kg (Species: Rat)

#### **Irritation and corrosivity**

Powder can cause localised skin irritation in folds of the skin or under tight clothing.

#### **Sensitising effects**

none known

## SECTION 12: Ecological information

### 12.1. Toxicity

Toxicity to fish  
frits, chemicals: LC50 Fish: > 1.000,00 mg/l / 96 h

Toxicity to daphnia  
frits, chemicals: EC50 Daphnia: > 100,00 mg/l / 48 h

Toxicity to algae  
frits, chemicals: IC50 algae: > 1.000,00 mg/l / 72 h

### 12.2. Persistence and degradability

Poorly watersoluble, inorganic product. Can be mechanically precipitated to a large extent in biological sewage plants.

### 12.3. Bioaccumulative potential

No data available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### **Advice on disposal**

Dispose of waste according to applicable legislation.

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### SECTION 14: Transport information

#### Other applicable information

Not a hazardous material with respect to transportation regulations.

### SECTION 15: Regulatory information

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

##### National regulatory information

Water contaminating class (D):                      - - not water contaminating

### SECTION 16: Other information

#### Changes

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*