

# Safety Data Sheet

according to Regulation (EC) No 1907/2006



## Hawaiian Blue Gloss

Print date: 29.11.2017

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

#### 1.1. Product identifier

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#### 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@terra-color.de  
Contact person: Dr. Monika Szurman  
e-mail: sdb@terra-color.de  
Internet: www.terra-color.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, metal oxides and inorganic pigments.

##### Hazardous components

EC No	Chemical name	Quantity
CAS No	Classification	
Index No	GHS classification	
REACH No		
215-269-1	Copper Oxide	< 2,5 %
1317-38-0	N - Dangerous for the environment R50	
	Aquatic Acute 1; H400	

Full text of R and H phrases: see Section 16.

### 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.

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### 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

#### 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

#### Exposure limits (EH40)

CAS No	Substance	ppm	mg/m <sup>3</sup>	fibres/ml	Category	Origin
1317-38-0	Copper Oxide		0,1E		TWA (8 h) STEL (15 min)	MAK MAK

### 8.2. Exposure controls

#### Protective and hygiene measures

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

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### 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 grey
Odour:	odourless

### Test method

### Changes in the physical state

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

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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.

## **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): 1 - slightly 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.

#### **Full text of R phrases referred to under Sections 2 and 3**

50 Very toxic to aquatic organisms.

#### **Full text of H statements referred to under Sections 2 and 3**

H400 Very toxic to aquatic life.

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