

## Safety Data Sheet

According to Regulation (EC) No 1907/2006

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

#### 1.1. Product identifier

Terra-sz-Color Brush-on-glaze

#### Further trade names

FE 5030, 5031, 5032, 5033, 5034

#### 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:

PotteryCrafts Ltd.  
Campbell Road,  
Stoke-on-Trent,  
Staffordshire,  
UK ST4 4ET.  
Telephone: +44 (0)1782 745000  
e-mail: sales@potteryCrafts.co.uk

#### 1.4. Emergency telephone

+44 (0)1782 745000 Office Hours 08:45 – 16:30 Hours Mon-Friday .

### SECTION 2: Hazards identification

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

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Hazard categories:

Hazardous to the aquatic environment: Aquatic Chronic 3

Hazard Statements:

Harmful to aquatic life with long lasting effects.

#### 2.2. Label elements

##### Hazard statements

H412 Harmful to aquatic life with long lasting effects

##### Precautionary statements

P273 Avoid release to the environment.

P501 Dispose of contents/container to Dispose of waste according to applicable legislation..

#### 2.3. Other hazards

No information available

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

##### Chemical characterization

Mixture of frits (silicate glasses), mineral oxides and inorganic pigments in aqueous suspension on hydrocolloidic basis.

##### Hazardous components

EC No	Chemical Name	Quantity
CAS No.	Classification according to Directive 67/548/EEC	
Index No.	Classification according to Regulation (EC) No. 1272/2008 [CLP]	
REACH No		
<b>266-047-6</b>	Frits, Chemicals (contains cadmium)	>20%
65997-18-4	Xn - Harmful, N - Dangerous for the environment R20/21/22-51-53	
	Aquatic Chronic 2; H411	
01-2119548361-42		

Full text of R-, H- and EUH-phrases: see section 16.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### General information

Remove contaminated or saturated clothing. Do not leave affected person unattended.

##### After inhalation

no data available

Campbell Road - Stoke on Trent, ST4 4ET - United Kingdom

Tel: +44 (0)1782 745000 - Fax: +44 (0)1782 746000 - Web: [www.potteryCrafts.co.uk](http://www.potteryCrafts.co.uk) ;

**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. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

**After ingestion**

Rinse mouth immediately and drink plenty of water. Do not give milk or alcoholic beverages. In the event of symptoms refer for medical treatment.

**4.2. Most important symptoms and effects, both acute and delayed**

no data available

**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.

**Additional information**

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water. Contaminated fire-extinguishing water must be disposed of in accordance with the regulations issued by the appropriate local authorities.

**SECTION 6: Accidental release measures**

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

Wear personal protection equipment. Avoid production of dust. Do not breathe dust.

**6.2. Environmental precautions**

Do not allow to enter into surface water or drains.

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

Take up dust-free and set down dust-free.

**6.4. Reference to other sections**

Treat the recovered material as prescribed in the section on waste disposal.

**SECTION 7: Handling and storage**

**7.1. Precautions for safe handling**

**Advice on safe handling**

When using do not eat, drink or smoke. Wash hands before breaks and after work. Do not leave children unattended while using the material. Open windows to ensure natural ventilation.

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

**Requirements for storage rooms and vessels**

Keep container tightly closed. Keep out of the reach of children. Protect from frost.

**7.3. Specific end use(s)**

No data available

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

**8.1. Control parameters**

**Additional advice on limit values**

Not applicable, as product is in liquid phase.

**8.2. Exposure controls**

**Occupational exposure controls**

If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means.

**Protective and hygiene measures**

Wash hands before breaks and after work. When using do not eat, drink or smoke.

**Hand protection**

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

**Eye protection**

If necessary: Wear tightly sealed safety glasses.

**Environmental exposure controls**

Do not allow to enter into surface water or drains.

**SECTION 9: Physical and chemical properties**

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

Physical state: liquid / tixotrope  
 Colour: whitish / light pink  
 Odour: odourless  
**Test method**  
 pH-Value: 8-10

**Changes in the physical state**

Flash point: not applicable  
 Water solubility: dispersible

**9.2. Other information**

no data available

**SECTION 10: Stability and reactivity**

**10.1. Reactivity**

no data available

**10.2. Chemical stability**

No decomposition if stored normally.

**10.3. Possibility of hazardous reactions**

no data available

**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**

No data available

CAS No.	Chemical Name				
	Exposure routes	Method	Dose	Species	Source
65997-18-4	<b>Frits, Chemicals (contains cadmium)</b>				
	Oral	LD50	>2000 mg/kg	Rat	

**Irritation and corrosivity**

Product may irritate eyes and skin.

**Sensitising effects**

none known

**SECTION 12: Ecological information**

**12.1. Toxicity**

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

CAS No.	Chemical Name					
	Aquatic toxicity	Method	Dose	h	Species	Source
65997-18-4	<b>Frits, Chemicals (contains cadmium)</b>					
	Acute fish toxicity	LC50	>1000mg/l	96 h		
	Acute algae toxicity	ErC50	>1000mg/l	72h		
	Acute crustacea toxicity	EC50	>100 mg/l	48 h		

**12.2. Persistence and degradability**

no data available

**12.3. Bioaccumulative potential**

No data available

**12.4. Mobility in soil**

no data available

**12.5. Results of PBT and vPvB assessment**

no data available

**12.6. Other adverse effects**

no data available

**Further information**

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### **SECTION 13: Disposal considerations**

#### **13.1. Waste treatment methods**

##### **Advice on disposal**

Prevent penetration into stretches of water and drainage systems.

##### **Waste disposal number of used product**

080203 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU of other coatings (including ceramic materials); aqueous suspensions containing ceramic materials

##### **Waste disposal number of contaminated packaging**

150102 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); plastic packaging

##### **Contaminated packaging**

Dispose of as unused product. If there is product residue in the emptied container, follow directions for handling on the container's label.

### **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): 2 - water contaminating

#### **15.2. Chemical safety assessment**

For this substance a chemical safety assessment is not required.

### **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.

#### **Relevant R-phrases (Number and full text)**

20/21/22	Harmful by inhalation, in contact with skin and if swallowed.
51	Toxic to aquatic organisms.
53	May cause long-term adverse effects in the aquatic environment.

#### **Relevant H- and EUH-phrases (Number and full text)**

H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Date 29<sup>th</sup> February 2016.

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