

**SAFETY DATA SHEET**  
**P4316 Bright Orange Prepared On-glaze Colour**

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

**1.1. Product identifier**

**Product name** Bright Orange Prepared On-glaze.  
**Product number** P4316

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

Hand painting ceramic decorating colour.

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

**Supplier** PotteryCrafts Ltd.,  
Campbell Road,  
Stoke-on-Trent,  
Staffordshire,  
UK ST4 4ET.  
Tel. 44(O)1782 745000  
[sales@pottery crafts.co.uk](mailto:sales@pottery crafts.co.uk)

**1.4. Emergency telephone number**

**Emergency Telephone** +44(O)1782 745000 Office hours Mon-Friday 08:45 – 16:30

**SECTION 2: Hazards identification**

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

EC regulation criteria 1272/2008 (CLP)

Acute Tox 4, H302: Acute Toc 4, H332; STOT RE 1, H372; Repr 1A, H360Df: Carc.2 H351: Aquatic Acute 1, H400  
Aquatic Chronic 1, H410

**2.2. Label elements**



**2.3. Other hazards**

**No other hazards**

**SECTION 3: Composition/information on ingredients**

**3.1 Chemical description** Ceramic Enamel

Substances

Identification	CAS	Concentration	(*)Classification Regalement 1272/2008
Lead Frit	65997-18-4	75-85%	Acute Tox 4, H302: Acute Tox4, H332:STOT RE1,H372;Repr 1A H360Df;Carc. 2, H351;Aquatic Acute1, H400;Aquatic Chronic1 H410
Zr(CdSe/S)SiO <sub>4</sub>	102184-95-2 148008-60-7	15-55%	Zirconium Cadmium/Selenium Inclusioni Pigment, Not classified as hazardous.

**3.2 Chemical characterization & comments.**

Preparation of ceramic frits (fused silicate glass substances) and inorganic pigments dispersed in a gum solution containing an acticide to prevent degradation..

**SECTION 4: First aid measures**

**4.1. Description of first aid measures**

**Inhalation** Unlikely route of exposure as the product does not contain volatile substances.

**Ingestion** Do not induce vomiting. Rinse mouth thoroughly with water. Give a few small glasses of water or milk to drink. Get medical attention if any discomfort continues.

**Skin contact** Wash skin thoroughly with soap and water.

**Eye contact** Rinse with water.

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

**Skin contact** Prolonged skin contact may cause redness and irritation.

**4.3. Indication of any immediate medical attention and special treatment needed****SECTION 5: Firefighting measures****5.1. Extinguishing media**

**Suitable extinguishing media** Use fire-extinguishing media suitable for the surrounding fire.

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

**Specific hazards** The product is not believed to present a hazard due to its physical nature.

**5.3. Advice for firefighters**

**Special protective equipment for Fire Fighters.** Use protective equipment appropriate for surrounding materials

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures****6.2. Environmental precautions**

**Environmental precautions** Avoid spreading dust or contaminated materials.

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

**Methods for cleaning up** Collect spillage for reclamation or absorb in vermiculite, dry sand or similar material.

**6.4. Reference to other sections****SECTION 7: Handling and storage****7.1. Precautions for safe handling**

**Usage precautions** Read label before use. Do not eat drink or smoke when using this product. Good personal hygiene procedures should be implemented. Wash hands and any other contaminated areas of the body with soap and water before leaving work site.

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

**Storage precautions** Store in tightly-closed, original container in a dry and cool place.

**7.3. Specific end use(s)****SECTION 8: Exposure Controls/personal protection****8.1. Control parameters**

Contains no substances with professional exposure limit values.

**8.2. Exposure controls**

Eye Protection:

Not required on normal use. Always proceed with good working practice.

Skin Protection;

Not required on normal use. Always proceed with good working practice.

Hands Protection;

Not required on normal use. Always proceed with good working practice.

Respiratory Protection;

Not required on normal use. Always proceed with good working practice avoid generating dust or respiratory protection may be required..

Protective measures;

When using do not eat, drink, or smoke.

**SECTION 9: Physical and Chemical Properties****9.1. Information on basic physical and chemical properties**

**Appearance** Coloured liquid.

**Colour** Orange

**Odour** Odourless.

**Melting Point** Above 500°C.

**Relative density** Not relevant.

**Solubility(ies)  
In water** Almost insoluble.

**9.2. Other information****SECTION 10: Stability and reactivity****10.1. Reactivity**

Stable at normal ambient temperatures and when used as recommended.

**10.2. Chemical stability****Stability**

Stable at normal ambient temperatures and when used as recommended.

**10.3. Possibility of hazardous reactions**

None

**10.4. Conditions to avoid****10.5. Incompatible materials****10.6. Hazardous decomposition products****SECTION 11: Toxicological information****11.1. Information on toxicological effects****Eye contact**

May cause temporary eye irritation.

**Acute Toxicology**

## LD50 Oral (rat)

Not known

## LD50 Dermal

Not known

## LD50 Inhalation

Not known

## Health Effects

Prolonged or repeated exposure above occupational exposure standards may cause Lead to accumulate in the body. In serious cases anaemia and damage to the kidneys, central system and impair reproductive fertility. Lead in the blood of pregnant women may affect the development of the unborn child. Persons exposed to lead compounds should have regular health checks, which include lead in blood monitoring.

**SECTION 12: Ecological Information****12.1. Toxicity**

The available toxicological information shows that this product is not toxic and not harmful, and no risk notification is required.

**12.2. Persistence and degradability****Biodegradation**

Not inherently biodegradable.

**12.3. Bioaccumulative potential****12.4. Mobility in soil****12.5. Results of PBT and vPvB assessment****12.6. Other adverse effects**

None

**SECTION 13: Disposal considerations****13.1. Waste treatment methods****General information**

When handling waste, the safety precautions applying to handling of the product should be considered.

**Disposal methods**

Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

**SECTION 14: Transport information****General**

The product is not covered by International regulations on the transport of dangerous goods (IMDG,IAIA,ADR/RID)

**14.1. UN number****14.2. UN proper shipping name****14.3. Transport hazard class(es)****14.4. Packing group****14.5. Environmental hazards****14.6. Special precautions for user****14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code****SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulations**

Health and Safety at Work etc. Act 1974 (as amended).

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).

**EU legislation**

Dangerous Substances Directive 67/548/EEC. Dangerous Preparations Directive 1999/45/EC.

**Guidance**

Workplace Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(G)37.

**15.2. Chemical safety assessment**

No chemical safety assessment has been carried out.

**SECTION 16: Other information**

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<b>Supersedes Date</b>	18 <sup>th</sup> March 2016
<b>SDS number</b>	0266
<b>Hazard statements in full</b>	H302 : Harmful if swallowed. H332 : Harmful if inhaled H372 Causes damage to organs through prolonged or repeated exposure. H351 :Suspected of causing cancer H360 May damage fertility or unborn child. H400 ; Very toxic to aquatic life H410 Very toxic to aquatic life with long lasting effects.

## Acronyms used;

CLP	Classification .Labelling and Oackaging.
PBT	persistent Bioaccumulative and Toxic.
VPvB	Very persistent and very Bioaccumulative
N.A.	Not Applicable
N.D	No Data Available
IBC	Bulk Containers

This 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. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.