

## SAFETY DATA SHEET

**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY****1.1. Product identifier**

Product name                      White Opaque Glaze  
Product No.                        P2014

**1.2. Relevant identified uses of the substance or mixture and uses advised against****1.3. Details of the supplier of the safety data sheet**

Supplier                            PotteryCrafts Ltd.,  
Campbell Road,  
Stoke on Trent  
ST4 4ET.  
Tel 44 (0)1782 745000  
[sales@potteryCrafts.co.uk](mailto:sales@potteryCrafts.co.uk)

**1.4. Emergency telephone number**

+44(0)1782 745000 Office Hours 08:00-14:45 Mon-Fri

**SECTION 2: HAZARDS IDENTIFICATION****2.1. Classification of the substance or mixture****Classification (EC 1272/2008)**

Not a hazardous substance or mixture.

This document has been developed with the exclusive purpose of complying with the obligation of informing the supply chain according to article 32 of the Reach regulation, because this material is not classified and does not require a material safety data sheet.

**Human health**

May cause minor irritation on eye contact. Frequent inhalation of dust over a long period of time increases the risk of developing lung diseases. May cause minor irritation on skin contact.

**Environment**

The product is not expected to be hazardous to the environment.

**2.2. Label elements****Label In Accordance With (EC) No. 1272/2008**

Not a hazardous substance or mixture.

### 2.3. Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

## **SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

### 3.2. Mixtures

Chemical nature : glass/frit  
silicatic  
material  
inorganic salt

#### **Components**

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
<b>Substances with a workplace exposure limit :</b>			
kaolin	1332-58-7 310-194-1 Exempted from registration		>= 10 - < 20
zirconium silicate	14940-68-2 239-019-6 Exempted from registration		>= 0,1 - < 10

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

## **SECTION 4: FIRST AID MEASURES**

### 4.1. Description of first aid measures

General advice: Do not leave the victim unattended

#### Inhalation

If unconscious, place in recovery position and seek medical advice.

### Ingestion

If swallowed induce vomiting immediately and call a physician.

Keep respiratory tract clear.

Do not give milk or alcoholic beverages.

Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.

### Skin contact

In case of skin contact wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.

If skin irritation persists, call a physician.

### Eye contact

In case of eye contact flush eyes with water as a precaution.

Remove contact lenses.

Protect unharmed eye.

Keep eye wide open while rinsing.

If eye irritation persists, consult a specialist.

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

None known.

### 4.3. Indication of any immediate medical attention and special treatment needed

Treatment : Treat symptomatically.

## **SECTION 5: FIREFIGHTING MEASURES**

### 5.1. Extinguishing media

#### Extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media: High volume water jet

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

Specific hazards during : Do not allow run-off from firefighting to enter drains or water firefighting courses.

### 5.3. Advice for firefighters

#### Special Fire Fighting Procedures

In the event of fire, wear self-contained breathing apparatus. for firefighters.

Further information: Standard procedure for chemical fires.

## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

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

Use personal protective equipment.  
Ensure adequate ventilation.  
Evacuate personnel to safe areas.

### **6.2. Environmental precautions**

Prevent product from entering drains.  
Prevent further leakage or spillage if safe to do so.  
If the product contaminates rivers and lakes or drains inform respective authorities

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

Clean contaminated floors and objects thoroughly while observing environmental regulations.  
Keep in suitable, closed containers for disposal.

### **6.4. Reference to other sections**

For personal protection see section 8.

## **SECTION 7: HANDLING AND STORAGE**

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

Advice on safe handling:	For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Dispose of rinse water in accordance with local and national regulations.
Advice on protection against fire and explosion:	Provide appropriate exhaust ventilation at places where dust is formed.
Hygiene measures:	Wash hands before breaks and at the end of workday.

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

Requirements for storage areas and containers:	Keep container tightly closed in a dry and well-ventilated place. Electrical installations / working materials must comply with the technological safety standards.
Further information on storage stability:	Keep in a dry place. No decomposition if stored and applied as directed

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

Specific use(s): Consult the technical guidelines for the use of this substance/mixture.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
kaolin	1332-58-7	TWA (Respirable dust)	2 mg/m <sup>3</sup>	GB EH40
zirconium silicate	14940-68-2	TWA	5 mg/m <sup>3</sup> (Zirconium)	GB EH40
		STEL	10 mg/m <sup>3</sup> (Zirconium)	GB EH40

### 8.2. Exposure controls

Handle only in a place equipped with local exhaust (or other appropriate exhaust).

#### **Personal protective equipment**

**Eye protection** : Ensure that eyewash stations and safety showers are close to the workstation location. Tightly fitting safety goggles.

**Hand protection** : The suitability for a specific workplace should be discussed with the producers of the protective gloves. The selected protective gloves have to satisfy the specifications of the Regulation (EU) 2016/425 and the standard EN 374 derived from it.

**Material** : Nitrile rubber  
**Break through time** : > 480 min  
**Glove thickness** : > 0,4 mm

**Skin and body protection** : Protective clothing impervious to the chemical substance.

**Respiratory protection** : In the case of dust or aerosol formation use respirator with an approved filter.  
 Suitable mask with particle filter P3 (European Norm 143)

**Protective measures** : Wear suitable protective equipment.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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

**Physical state** : powder  
**Colour** : white  
**Odour** : odourless  
**Odour Threshold** : No data available  
**Melting point/range** : No data available

Boiling point/boiling range	: Not applicable
Flammability	: No data available
Upper explosion limit / Upper flammability limit	: No data available
Lower explosion limit / Lower flammability limit	: Not applicable
Flash point	: Not applicable
Decomposition temperature	: No data available
pH	: Not applicable
Viscosity	
Viscosity, kinematic	: Not applicable
Solubility(ies)	
Water solubility	: No data available
Solubility in other solvents	: No data available
Partition coefficient noctanol/water:	No data available
Vapour pressure	: No data available
Relative density	: No data available
Bulk density	: No data available
Relative vapour density	: Not applicable

## 9.2 Other information

Explosives	: No data available
Oxidizing properties	: Not applicable
Flammable solids	: No data available
Burning rate	: No data available
Self-ignition	: No data available
Evaporation rate	: Not applicable
Refractive index	: Not applicable

## SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

No decomposition if stored and applied as directed.

### 10.2. Chemical stability

Stable under normal temperature conditions and recommended use.

### 10.3. Possibility of hazardous reactions

#### Hazardous Polymerisation

No decomposition if stored and applied as directed.  
Dust may form explosive mixture in air.

### 10.4. Conditions to avoid

None, if used and stored as recommended.

### 10.5. Incompatible materials

#### Materials To Avoid

Not applicable.

### 10.6. Hazardous decomposition products

Stable under normal conditions.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

Not classified based on available information.

#### Components:

**zirconium silicate:** Acute oral toxicity : LD50 Oral (Rat): > 10.000 mg/kg

#### **Skin corrosion/irritation**

Not classified based on available information.

#### **Serious eye damage/eye irritation**

Not classified based on available information.

#### **Respiratory or skin sensitisation Skin sensitisation**

Not classified based on available information.

#### **Respiratory sensitisation**

Not classified based on available information.

#### **Germ cell mutagenicity**

Not classified based on available information.

#### **Carcinogenicity**

Not classified based on available information.

#### **Reproductive toxicity**

Not classified based on available information.

#### **STOT - single exposure**

Not classified based on available information.

#### **STOT - repeated exposure**

Not classified based on available information.

#### **Aspiration toxicity**

Not classified based on available information.

### 11.2 Information on other hazards Endocrine disrupting properties

#### **Product:**

**Assessment:** The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity

#### **Components:**

#### **zirconium silicate:**

Toxicity to fish : EC50 (Fish): > 100 mg/l  
Exposure time: 96 h  
Method: OECD Test Guideline 203

Toxicity to daphnia and other invertebrates : EC50 (Daphnia (water flea)): > 100 mg/l aquatic  
Exposure time: 48 h

Method: OECD Test Guideline 202

Toxicity to algae/aquatic plants : EC50 (algae): > 100 mg/l plants

Exposure time: 72 h Method: OECD Test Guideline 201

### 12.2. Persistence and degradability

No data available

### 12.3. Bioaccumulative potential

**Components:**

**zirconium silicate:**

Partition coefficient: n- :       Remarks: Not applicable  
octanol/water

### 12.4. Mobility in soil

No data available

### 12.5. Results of PBT and vPvB assessment

**Product:**

**Assessment:**       This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

### 12.6. Other adverse effects

**Product:**

**Assessment:**       The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

### 12.7 Other adverse effects

**Product:**

Additional ecological information: None known.

## **SECTION 13: DISPOSAL CONSIDERATIONS**

### 13.1. Waste treatment methods

**Product**                       : Send to a licensed waste management company.  
Dispose of wastes in an approved waste disposal facility.  
Do not dispose of waste into sewer.  
Do not contaminate ponds, waterways or ditches with chemical or used container.

**Contaminated packaging:** Empty remaining contents.

Dispose of as unused product.

Empty containers should be taken to an approved waste handling site for recycling or disposal.

Do not re-use empty containers.

## **SECTION 14: TRANSPORT INFORMATION**

### 14.1. UN number

Not regulated as a dangerous good

### 14.2. UN proper shipping name

Not regulated as a dangerous good

### 14.3. Transport hazard class(es)

Not regulated as a dangerous good

### 14.4. Packing group

Not regulated as a dangerous good

#### 14.5. Environmental hazards

Not regulated as a dangerous good

#### 14.6. Special precautions for user

Remarks: Not classified as dangerous in the meaning of transport regulations

#### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable for product as supplied.

### **SECTION 15: REGULATORY INFORMATION**

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

Relevant EU provisions transposed through retained EU law

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII) : Not applicable

International Chemical Weapons Convention (CWC) Schedules of Toxic Chemicals and Precursors : Neither banned nor restricted

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59). : This product does not contain substances of very high concern (Regulation (EC) No 1907/2006 (REACH), Article 57).

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer : Neither banned nor restricted

Regulation (EU) 2019/1021 on persistent organic pollutants (recast) : Neither banned nor restricted

UK REACH List of substances subject to authorisation (Annex XIV) : Neither banned nor restricted

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances. : Not applicable

Volatile organic compounds : Directive 2010/75/EU of 24 November 2010 on industrial emissions (integrated pollution prevention and control)  
Not applicable

#### **The components of this product are reported in the following inventories:**

TCSI (Taiwan) : On the inventory, or in compliance with the inventory  
TSCA (United States) : All substances listed as active on the TSCA inventory  
AIIIC (Australia) : On the inventory, or in compliance with the inventory  
DSL/NDSL (Canada) : All components of this product are on the Canadian DSL  
ENCS (Japan) : On the inventory, or in compliance with the inventory  
ISHL (Japan) : On the inventory, or in compliance with the inventory  
KECI (Korea) : On the inventory, or in compliance with the inventory

PICCS (Philippines)	:	On the inventory, or in compliance with the inventory
IECSC (China)	:	On the inventory, or in compliance with the inventory
NZioC (New Zealand)	:	On the inventory, or in compliance with the inventory
SWISS (Switzerland)	:	On the inventory, or in compliance with the inventory
EINECS (European Union)	:	On the inventory, or in compliance with the inventory
CICR (Turkey)	:	On the inventory, or in compliance with the inventory
TECI (Thailand)	:	On the inventory, or in compliance with the inventory

## 15.2. Chemical Safety Assessment

Not applicable

## SECTION 16: OTHER INFORMATION

### General information

#### **Full text of H-Statements Full text of other abbreviations**

GB EH40 : UK. EH40 WEL - Workplace Exposure Limits  
GB EH40 / TWA : Long-term exposure limit (8-hour TWA reference period)  
GB EH40 / STEL : Short-term exposure limit (15-minute reference period)  
ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZioC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

**Issued By** Product Regulations Dept

**Revision Date** 02/08/2027

**Revision** 10

**Supersedes date** 02/08/2024

**SDS No.** 000

**Safety Data Sheet Status** Approved.

**Date** 01/06/2026

**Hazard Statements in Full** NC: Not classified.

#### Disclaimer

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.