

# POTCLAYS - SAFETY DATA SHEET

according to Regulation (EC) No. 1272/2008

## LS Vellum White 2246 LS

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

#### 1.1 Product identifier

This safety data sheet pertains to the following products:  
2246 LS – Vellum White

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

Decoration of ceramic products.

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

Potclays Limited,  
Brickkiln Lane, Stoke-on-Trent, Staffordshire, ST4 7BP  
Tel. 01782 219816

E-mail: sales@potclays.co.uk

Internet: www.potclays.co.uk

#### 1.4 Emergency telephone number

Telephone: +44 (1782) 219816

**Only available during office hours.**

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification (EC 1272/2008)

Physical and Chemical Hazards Not classified.

Human health STOT RE 1 - H372.

Environment Aquatic Chronic 2 - H411.

#### 2.2 Label elements

##### Hazard Pictogram



Signal word Danger

##### Hazard statements

H372 Causes damage to organs through prolonged or repeated exposure.

H411 Toxic to aquatic life with long lasting effects.

##### Precautionary statements

P260 Do not breathe vapour/ spray.

P264 Wash contaminated skin thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P273 Avoid release to the environment.

P314 Get medical advice/ attention if you feel unwell.

P391 Collect spillage.

P501 Dispose of contents/ container in accordance with national regulations.

Contains silica, zinc oxide

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## SECTION 3: Composition / information on ingredients

### 3.1 Substances

EcNo.	Chemical Name	CAS No.	Index No.	Percentage Composition
310-194-1	Kaolin	1332-58-7		5-10%
215-569-2	Tin Oxide	1332-29-2		5-10%
215-222-5	Zinc Oxide	1314-13-2		1-5%
266-047-6	Lead Bisilicate	65997-18-4		60-70%

REACH Registration notes Exempted in accordance with Annex V.7

Composition Comments

Impurities:

Quartz: CAS-No.: 14808-60-7 EC No.: 238-878-4.

This product contains between 1 and 10% respirable quartz; respirable quartz is classified as STOT RE1.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

**Inhalation** Move affected person to fresh air at once.

**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

**Inhalation** Prolonged or repeated exposure to vapours in high concentrations may cause the following adverse effects: Frequent inhalation of dust over a long period of time increases the risk of developing lung diseases. May cause respiratory system irritation. Read Section 2 for any specific precautions associated with this product. In general, breathing any type of dust/mist can and may aggravate irritation of the throat and lungs.

**Ingestion** Read Section 2 for any specific precautions associated with the use of this product. Products with specific warnings about ingestion will give guidance there.

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

**Eye contact** Read Section 2 for any specific precautions associated with the use of this product. In general most ceramic and special products contain materials that maybe abrasive to eyes. Keeping materials from contacting the eyes is prudent. If contact does occur, flush with clean water, do not rub.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Extinguishing media

The product is non-combustible. No specific extinguishing media is needed.

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

Specific hazards

Non combustible. No hazardous thermal decomposition.

### 5.3 Advice for firefighters

Special Fire Fighting Procedures

No specific fire-fighting protection is required. Use an extinguishing agent suitable for the surrounding fire.

## SECTION 6: Accidental release measures

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

Avoid airborne dust generation, wear personal protective equipment in compliance with national legislation.

### 6.2. Environmental precautions

Do not discharge into drains, water courses or onto the ground.

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

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Avoid dry sweeping and use water spraying or vacuum cleaning systems to prevent airborne dust generation. Wear personal protective equipment in compliance with national legislation.

## 6.4. Reference to other sections

For personal protection, see section 8. For waste disposal, see section 13.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Avoid airborne dust generation. Provide appropriate exhaust ventilation at places where airborne dust is generated. In case of insufficient ventilation, wear suitable respiratory protective equipment. Handle packaged products carefully to prevent accidental bursting. If you require advice on safe handling techniques, please contact your supplier or check the Good Practice Guide referred to in section 16. Do not to eat, drink and smoke in work areas; wash hands after use; remove contaminated clothing and protective equipment before entering eating areas.

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

Store in a dry covered area. Minimise airborne dust generation and prevent wind dispersal during loading and unloading. Keep containers closed and store packaged products so as to prevent accidental bursting.

### 7.3. Specific end use(s)

Usage Description

If you require advice on specific uses, please contact your supplier or check the Good Practice Guide referred to in section 16.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

The following current national occupational exposure limit values for Copper and Copper compounds apply.

Name	STD	TWA - 8 Hrs	STEL - 15 Min	Notes
Frit	WEL	4 mg/m <sup>3</sup>		
KAOLIN	WEL	2 mg/m <sup>3</sup>		
Tin Oxide	WEL	2 mg/m <sup>3</sup>		

WEL = Workplace Exposure Limit.

### 8.2 Exposure controls



#### Engineering measures

Minimise airborne dust generation. Use process enclosures, local exhaust ventilation or other engineering controls to keep airborne levels below specified exposure limits. If user operations generate dust, fumes or mist, use ventilation to keep exposure to airborne particles below the exposure limit. Apply organisational measures, e.g. by isolating personnel from dusty areas. Remove and wash soiled clothing.

#### Respiratory equipment

In case of prolonged exposure to airborne dust concentrations, wear a respiratory protective equipment that complies with the requirements of European or national legislation.

We recommend wearing a P3 dust mask when using this product in its dry state

#### Hand protection

For prolonged or repeated skin contact use suitable protective gloves. PVC or rubber gloves are recommended.

#### Eye protection

Use eye protection. Goggles/face shield are recommended. Contact lenses should not be worn when working with this product.

#### Hygiene measures

When using do not eat, drink or smoke. Wash hands at the end of each work shift and before eating, smoking and using the toilet. Use appropriate skin cream to prevent drying of skin.

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## Skin protection

No specific requirement. Appropriate protection (e.g. protective clothing, barrier cream) is recommended for workers who suffer from dermatitis or sensitive skin.

## SECTION 9: Physical and chemical properties

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

Appearance	Powder, dust
Colour	White / off-white.
Odour	Almost odourless.
Solubility	Insoluble in water
Relative density	Greater than 1

### 9.2. Other information

No information required.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No specific reactivity hazards associated with this product.

### 10.2. Chemical stability

Stable under normal temperature conditions and recommended use.

### 10.3. Possibility of hazardous reactions

Not applicable.

### 10.4. Conditions to avoid

No particular incompatibility.

### 10.5. Incompatible materials

Materials To Avoid

No specific, or groups of materials are likely to react to produce a hazardous situation.

### 10.6. Hazardous decomposition products

None under normal conditions.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

**Toxicological effects** Please read Section 2 thoroughly to understand the toxicological risks, (if any) and precautions for safe use (if any).

**Skin corrosion/irritation** Please read Section 2 thoroughly to understand the skin sensitivity risks, (if any) and precautions for safe use (if any).

**Skin sensitisation** Based on available data the classification criteria are not met.

**Eye contact** May cause temporary eye irritation.

## SECTION 12: Ecological information

### Ecotoxicity

Please read Section 2 completely. If any environmental warnings such as; H411 or H412 are listed in Section 2, please use appropriate procedures when disposing of product and container. Do not put materials into waterways or sewers.

### 12.1. Toxicity

**Toxicity** Please read Section 2 completely. If any environmental warnings such as; H411 or H412 are listed in Section 2, please use appropriate procedures when disposing of product and container. Do not put materials into waterways or sewers.

### 12.2. Persistence and degradability

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## Degradability

The product is not biodegradable.

## 12.3. Bioaccumulative potential

No information available

## 12.4. Mobility in soil

Mobility:

Semi-mobile

## 12.5. Results of PBT and vPvB assessment

Not Classified as PBT/vPvB by current EU criteria.

## 12.6. Other adverse effects

None known.

## SECTION 13: Disposal considerations

### General information

This mineral can be disposed of as a non toxic/inactive material in approved landfill sites in accordance with local regulations. Dust formation from residues in packaging should be avoided and suitable worker protection assured. Store used packaging in enclosed receptacles. Recycling and disposal of packaging should be carried out in compliance with local regulations. The re-use of packaging is not recommended. Recycling and disposal of packaging should be carried out by an authorised waste management company.

### 13.1. Waste treatment methods

Where possible, recycling is preferable to disposal. Can be disposed of in compliance with local regulations.

## SECTION 14: Transport information

### 14.1. UN number

No information required.

### 14.2. UN proper shipping name

No information required.

### 14.3. Transport hazard class(es)

No information required.

### 14.4. Packing group

No information required.

### 14.5. Environmental hazards

Please refer to Section 2 for any environmental hazards associated with this product. If H411/H412 warnings are shown then please verify packaging and labelling requirements for larger volumes.

### 14.6. Special precautions for user

Not applicable.

### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

No information required.

## SECTION 15: Regulatory information

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

Uk Regulatory References Health and Safety at Work Act 1974. The Control of Substances Hazardous to Health Regulations 2002 (S.I 2002 No. 2677) with amendments.

#### Statutory Instruments

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

#### Approved Code Of Practice

Safety Data Sheets for Substances and Preparations. Classification and Labelling of Substances and Preparations Dangerous for Supply.

#### EU Legislation

EU legislation Dangerous Preparations Directive 1999/45/EC.

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Dangerous Substances Directive 67/548/EEC.

National Regulations

Workplace Exposure Limits 2005 (EH40)

Water hazard classification

NWG

## 15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

## SECTION 16: Other information

General information

Non Lead Frit65997-18-4, Feldspar68476-25-5, Blended Borate Mineral Product, Hydrous Aluminum Silicate1332-58-7, Nepheline Syenite37244-96-5

### Hazard statements in full

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

H372 Causes damage to organs through prolonged or repeated exposure.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

H411 Toxic to aquatic life with long lasting effects.