

# **SAFETY DATA SHEET- HYWITE SUPERB POWDERED BALL CLAY**

According to regulation (EC) No 2020/878

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

### 1.1 Product Identifier

HYWITE SUPERB Powdered Ball Clay

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

#### Use of the substance/mixture

Primarily used in Stoneware Body or Glaze Formula

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

Valentine Clays LTD

Valentine Way

Stoke on Trent

ST4 2FJ

t: +44 (0)1782 271200

e: sales@valentineclays.co.uk

w: www.valentineclays.co.uk

### 1.4 Emergency Telephone Number

CHEMTREC +1 703 527 3887

## **Section 2: Hazards Identification**

### 2.1 Classification of the substance or mixture

This product contains respirable quartz as an impurity and therefore is classified as STOT RE2 according to criteria defined in the Regulation EC 1272/2008 and does not meet the criteria for classification as harmful according to Directive 67/548/EEC.

Depending on the type of handling and use (e.g. grinding, drying), airborne respirable crystalline silica (quartz- cristobalite) may be generated. Prolonged and/or massive inhalation of respirable crystalline silica dust may cause lung fibrosis, commonly referred to as silicosis. Principal symptoms of silicosis are cough and breathlessness. Occupational exposure to respirable crystalline silica dust should be monitored and controlled.

This product should be handled with care to avoid dust generation.

Regulation EC 1272/2008



WARNING STOT RE2

H373 - May cause damage to lungs through prolonged or repeated exposure by inhalation.

Classification EU (67/548/EEC)- No Classification

### 2.2 Label Elements



Signal Word- WARNING

#### Hazard Statements:

H373 - May cause damage to lungs through prolonged or repeated exposure by inhalation.

## **SAFETY DATA SHEET- HYWITE SUPERB POWDERED BALL CLAY**

According to regulation (EC) No 2020/878

### Precautionary Statements:

P260 - Do not breathe dust.

P284 – (In case of inadequate ventilation) wear respiratory protection.

P314- Get medical advice/attention if you feel unwell.

P501 - Dispose of contents/containers in accordance with local regulations

### 2.3 Other Hazards

This product is an inorganic substance and does not meet the criteria for PBT or vPvB in accordance with Annex XIII of REACH.

## **Section 3: Composition/information on ingredients**

### 3.1 Main Constituent

Clay

Amount- 100%

EINECS- 934-756-6

CAS No- Not Relevant

### 3.2 Impurities

This product contains between 1 and 10% of quartz (respirable), which is classified as STOT RE 1.

CAS No. 14808-60-7

EC No. 238-878-4

## **Section 4: First Aid Measures**

### 4.1 Description of first aid measures

After Inhalation- Movement of the exposed individual from the area to fresh air is recommended.

After Ingestion- No first aid measures required.

After Eye Contact- Rinse with copious quantities of water and seek medical attention if irritation persists.

After Skin Contact- No special first aid measures necessary.

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

No acute and delayed symptoms and effects are observed.

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

No specific actions are required.

## **Section 5: Firefighting Measures**

### 5.1 Extinguishing media

No specific extinguishing media is needed.

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

Non-combustible. No hazardous thermal decomposition.

### 5.3 Advice for Fire Fighters

No specific fire-fighting protection is required.

## **SAFETY DATA SHEET- HYWITE SUPERB POWDERED BALL CLAY**

According to regulation (EC) No 2020/878

### **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**

No special requirements.

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

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 References to Other Sections**

See sections 8 and 13.

### **Section 7: Handling and Storage**

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

Avoid airborne dust generation. Provide adequate 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 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**

##### **Technical measures/precautions**

Minimise airborne dust generation and prevent wind dispersal during loading and unloading. Keep containers closed and store packaged products so as to prevent accident bursting.

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

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**

Follow workplace regulatory exposure limits for all types of airborne dust (e.g. total dust, respirable dust, respirable crystalline silica dust).

The OEL (Occupational Exposure Limit) for respirable crystalline silica dust is 0.1mg/m<sup>3</sup> in the United Kingdom, measured as an 8hour TWA (Time Weighted Average). For the equivalent limits in other countries, please consult a competent occupational hygienist or the local regulatory authority.

#### **8.2 Exposure Controls**

##### **Appropriate Engineering Controls**

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.

##### **Individual Protection Measures, such as Personal Protective Equipment**

Eye/Face Protection- Wear safety glasses with side-shields in circumstances where there is a risk of penetrative eye injuries.

## **SAFETY DATA SHEET- HYWITE SUPERB POWDERED BALL CLAY**

According to regulation (EC) No 2020/878

Skin Protection- No specific requirement. For hands, see below. Appropriate protection (e.g. protective clothing, barrier cream) is recommended for workers who suffer from dermatitis or sensitive skin.

Hand Protection- Appropriate protection (e.g. gloves, barrier cream) is recommended for workers who suffer from dermatitis or sensitive skin. Wash hands at the end of each work session

Respiratory Protection- In case of prolonged exposure to airborne dust concentrations, wear a respiratory protective equipment that complies with the requirements of European of National Legislation.

### **Environmental Exposure**

Avoid wind dispersal.

## **Section 9: Physical and Chemical Properties**

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

Appearance- Brown/Buf Powder

Odour- Odourless

Odour Threshold- Not Relevant

pH- pH (100 g/l water at 20°C) 3-7

Melting Point/ Freezing Point- Not available

Relative Density- 2.6 g/cm<sup>3</sup>

Solubility in Water- Negligible

Solubility in Hydrofluoric Acid- Yes

### **9.2 Other Information**

No other information.

## **Section 10: Stability and Reactivity**

### **10.1 Reactivity**

Inert, not reactive.

### **10.2 Chemical Stability**

Chemically stable.

### **10.3 Possibility of Hazardous Reactions**

No hazardous reactions.

### **10.4 Conditions to Avoid**

Not relevant.

### **10.5 Incompatible Materials**

No particular incompatibility.

### **10.6 Hazardous Decomposition Products**

Not relevant.

## **Section 11: Toxicological Properties**

### **11.1 Information on toxicological effects**

Acute Toxicity- Based on available data, the classification criteria are not met.

## **SAFETY DATA SHEET- HYWITE SUPERB POWDERED BALL CLAY**

According to regulation (EC) No 2020/878

Skin Corrosion/Irritation- Based on available data, the classification criteria are not met.

Serious Eye Damage/Irritation- Based on available data, the classification criteria are not met.

Respiratory or Skin Sensitisation- Based on available data, the classification criteria are not met.

Germ Cell Mutagenicity- Based on available data, the classification criteria are not met.

Carcinogenicity- Based on available data, the classification criteria are not met.

Reproductive Toxicity- Based on available data, the classification criteria are not met.

STOT- Single Exposure- Based on available data, the classification criteria are not met.

STOT- Repeated Exposure- This product contains quartz (respirable) as an impurity and therefore is classified as STOT RE2 according to criteria defined in the Regulation EC 1272/2008

Prolonged and/or massive exposure to respirable crystalline silica containing dust may cause silicosis, a nodular pulmonary fibrosis caused by deposition in the lungs of fine respirable particles of crystalline silica.

In 1997, IARC (the International Agency for Research on Cancer) concluded that crystalline silica inhaled from occupational sources can cause lung cancer in humans. However, pointed out that not all industrial circumstances, nor all crystalline silica types, were to be incriminated. (IARC Monographs on the evaluation of the carcinogenic risks of chemicals to humans, Silica, silicates dust and organic fibres, 1997, Vol 68, IARC, Lyon, France.)

In June 2003, SCOEL (the EU Scientific Committee on Occupational Exposure Limits) concluded that the main effect in humans of the inhalation of respirable crystalline silica dust is silicosis. "There is sufficient information to conclude that the relative risk of lung cancer is increased in persons with silicosis (and, apparently, not in employees without silicosis exposed to silica dust in quarries and in the ceramic industry). Therefore, preventing the onset of silicosis will also reduce the cancer risk..." (SCOEL SUM Doc 94-final, June 2003)

So, there is a body of evidence supporting the fact that increased cancer risk would be limited to people already suffering from silicosis. Worker protection against silicosis should be assured by respecting the existing regulatory occupational exposure limits and implementing additional risk management measures where required (see section 16 below).

Aspiration Hazard- Based on available data, the classification criteria are not met.

### **Section 12: Ecological Information**

#### **12.1 Toxicity**

Not relevant.

#### **12.2 Persistence and Degradability**

Not relevant.

#### **12.3 Bio accumulative Potential**

Not relevant.

#### **12.4 Mobility in Soil**

Negligible

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

Not relevant.

#### **12.6 Other Adverse Effects**

No specific adverse effects known.

### **Section 13: Waste Disposal**

#### **13.1 Waste Treatment Methods**

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

## **SAFETY DATA SHEET- HYWITE SUPERB POWDERED BALL CLAY**

According to regulation (EC) No 2020/878

### Packaging

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.

## **Section 14: Transport Information**

### 14.1 UN Number

Not relevant.

### 14.2 UN Proper Shipping Name

Not relevant.

### 14.3 Transport Hazard Class(es)

ADR- Not classified.

IMDG- Not classified.

ICAO/IATA- Not classified.

RID- Not classified.

### 14.4 Packing Group

Not relevant.

### 14.5 Environmental Hazards

Not relevant.

### 14.6 Special Precautions for User

No special precautions.

### 14.7 Transport in Bulk according to Annex II of MARPOL 73/78 and IBC Code

Not relevant.

## **Section 15: Regulatory Information**

### 15.1 Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture

International legislation/requirements.

### 15.2 Chemical Safety Assessment

Exempted from REACH Registration in accordance with Annex V.7.

## **SAFETY DATA SHEET- HYWITE SUPERB POWDERED BALL CLAY**

According to regulation (EC) No 2020/878

### Section 16: Other Information

Indications of the changes made to the previous version of the SDS.

In compliance with Regulation (EC) 1907/2006, Regulation (EC) 1272/2008 and Regulation (EC) 453/2010.

#### Dioxins

The material may contain trace amounts (parts per trillion) of naturally occurring dioxin congeners (PCDD, PCDF) including TCDD. 2,3,7,8. TCDD has been classified as a known human carcinogen by the IARC in Monograph 69 (1997). If this material is used for food, feed or cosmetic purposes, it is highly recommended to check whether it fulfils the requirements of relevant legislation, in particular with regards to dioxins content.

This data sheet is provided under CLP and REACH Regulation and is not intended to constitute an assessment of workplace risk associated with product(s) used as required under any other Health and Safety Regulation.

Workers must be informed of the presence of crystalline silica and trained in the proper use and handling of this product as required under applicable regulations.

Date of Review: August 2024

**Disclaimer:** Every care is taken in compiling this information and is believed accurate and reliable as of the date indicated. However, Valentine Clays Ltd disclaims all liability for any loss, damage or expense arising from any inaccuracy therein. It is the user's responsibility to satisfy themselves as to the suitability and completeness of such information for their own particular use.