



### 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

#### 1.1 Product identifier

**Product name** YDL PORCELAIN  
**Synonyms** PORCELAIN

#### 1.2 Uses and uses advised against

**Uses** BENCHTOPS • EXTERIOR CONSTRUCTION • FLOORING CONSTRUCTION • INTERIOR CONSTRUCTION • KITCHEN CONSTRUCTION • WALL CLADDING

#### 1.3 Details of the supplier of the product

**Supplier name** YDL AUSTRALIA PTY LTD  
**Address** 65 Babbage Drive, Dandenong South, VIC, 3175, AUSTRALIA  
**Telephone** 03 9551 1688  
**Email** [info@ydlstone.com.au](mailto:info@ydlstone.com.au)  
**Website** <http://www.ydlstone.com.au>

#### 1.4 Emergency telephone numbers

**Emergency** 03 9551 1688

### 2. HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

NOT CLASSIFIED AS HAZARDOUS ACCORDING TO SAFE WORK AUSTRALIA CRITERIA

##### Physical Hazards

Not classified as a Physical Hazard

##### Health Hazards

Carcinogenicity: Category 1A  
Specific Target Organ Toxicity (Repeated Exposure): Category 1

##### Environmental Hazards

Not classified as an Environmental Hazard

#### 2.2 GHS Label elements

**Signal word** DANGER

**Pictograms**



##### Hazard statements

H350i May cause cancer by inhalation.  
H372 Causes damage to organs through prolonged or repeated exposure.

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### Prevention statements

|      |  |
|------|--|
| P201 | Obtain special instructions before use.                                    |
| P202 | Do not handle until all safety precautions have been read and understood.  |
| P260 | Do not breathe dust/fume/gas/mist/vapours/spray.                           |
| P264 | Wash thoroughly after handling.  |
| P270 | Do not eat, drink or smoke when using this product.                        |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |
| P284 | Wear respiratory protection for particles (P3/N95 or higher).              |

### Response statements

|             |   |
|-------------|---|
| P308 + P313 | IF exposed or concerned: Get medical advice/ attention. |
|-------------|---|

### Storage statements

|      |                  |
|------|------------------|
| P405 | Store locked up. |
|------|------------------|

### Disposal statements

|      |  |
|------|--|
| P501 | Dispose of contents/container in accordance with relevant regulations. |
|------|--|

### 2.3 Other hazards

The solid product as supplied is classified as non-hazardous under normal conditions and does not present an inhalation, ingestion, skin, or eye hazard. However, dust created when the product is cut, grinded and machined may contain crystalline silica some of which may be respirable (particles small enough to go into deep parts of the lung when breathed in).

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## 3. COMPOSITION/ INFORMATION ON INGREDIENTS

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### 3.1 Substances / Mixtures

| Ingredient                  | CAS Number | EC Number | Content   |
|-----------------------------|------------|-----------|-----------|
| QUARTZ (CRYSTALLINE SILICA) | 14808-60-7 | 238-878-4 | 16 to 28% |
| ZIRCONIUM SILICATE          | 10101-52-7 | 233-252-7 | <2%       |
| CLAY(S)                     | 1302-62-1  | -         | 36 to 37% |
| FELDSPAR-GROUP MINERALS     | 68476-25-5 | 270-666-7 | 34 to 36% |

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## 4. FIRST AID MEASURES

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### 4.1 Description of first aid measures

|                             |   |
|-----------------------------|---|
| <b>Eye</b>                  | (Dust exposure) Flush gently with running water, irrigating under eyelids. Seek medical attention if irritation develops. |
| <b>Inhalation</b>           | (Dust exposure) If inhaled remove from contaminated area. Apply artificial respiration if not breathing.                  |
| <b>Skin</b>                 | (Dust exposure) Gently flush affected areas with water. Seek medical attention if irritation develops.                    |
| <b>Ingestion</b>            | Due to product form and application, ingestion is considered unlikely.  |
| <b>First aid facilities</b> | Eye wash facilities and safety shower should be available, particularly when dust is generated.                           |

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

This product may present a hazard if cut or drilled with dust generation. CAUTION: Repeated exposure to dust may cause lung fibrosis (silicosis).

### 4.3 Immediate medical attention and special treatment needed

Treat symptomatically.

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## 5. FIRE FIGHTING MEASURES

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### 5.1 Extinguishing media

Use an extinguishing agent suitable for the surrounding fire.

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

Non flammable. May evolve toxic gases if strongly heated.

### 5.3 Advice for firefighters

No fire or explosion hazard exists.

### 5.4 Hazchem code

None allocated.

## 6. ACCIDENTAL RELEASE MEASURES

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

Wear Personal Protective Equipment (PPE) as detailed in section 8 of the SDS.

### 6.2 Environmental precautions

Prevent product from entering drains and waterways.

### 6.3 Methods of cleaning up

Solid slabs can be collected for disposal or re-use. If dust is generated during the fabrication process, use a high efficiency particulate air (HEPA) filter vacuum system or dampen the dusts, and sweep wet material for disposal. Do not sweep dry material.

### 6.4 Reference to other sections

See Sections 8 and 13 for exposure controls and disposal.

## 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas.

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

Ensure material is adequately labelled and protected from physical damage. Avoid generating dust.

### 7.3 Specific end uses

No information provided.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1 Control parameters

#### Exposure standards

| Ingredient                                      | Reference      | TWA |                   | STEL |                   |
|---|----------------|-----|-------------------|------|-------------------|
|   |                | ppm | mg/m <sup>3</sup> | ppm  | mg/m <sup>3</sup> |
| Quartz (respirable dust)                        | SWA [AUS]      | --  | 0.05              | --   | --                |
| Quartz (respirable dust) (Precautionary advice) | WorkSafe VIC   | --  | 0.02              | --   | --                |
| Zirconium compounds (as Zr)                     | SWA [AUS]      | --  | 5                 | --   | 10                |
| Zirconium compounds (as Zr)                     | SWA [Proposed] | --  | 5                 | --   | --                |

### Biological limits

No biological limit values have been entered for this product.

### 8.2 Exposure controls

**Engineering controls** Avoid inhalation. Use in well ventilated areas. Where an inhalation risk exists, mechanical extraction ventilation is recommended. Wet where possible. Maintain dust levels below the recommended exposure standard.

### PPE

|                    |   |
|--------------------|---|
| <b>Eye / Face</b>  | If cutting or sanding with potential for dust generation, wear dust-proof goggles.  |
| <b>Hands</b>       | Wear leather or cotton gloves.  |
| <b>Body</b>        | Not required under normal conditions of use.  |
| <b>Respiratory</b> | Avoid uncontrolled dry cutting, sanding, polishing, grinding or drilling, if alterations are unavoidable use a half face (negative pressure) mask with minimum P2/N95 particle respirator & tools which have water suppression & on tool dust extraction with H class rating. Consultation with relevant State Worksafe offices for further details is recommended. |



## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

|                           |                      |
|---------------------------|----------------------|
| Appearance                | MULTI-COLOURED SOLID |
| Odour                     | ODOURLESS            |
| Flammability              | NON FLAMMABLE        |
| Flash point               | NOT RELEVANT         |
| Boiling point             | NOT AVAILABLE        |
| Melting point             | NOT AVAILABLE        |
| Evaporation rate          | NOT AVAILABLE        |
| pH                        | NOT AVAILABLE        |
| Vapour density            | NOT AVAILABLE        |
| Relative density          | NOT AVAILABLE        |
| Solubility (water)        | INSOLUBLE            |
| Vapour pressure           | NOT AVAILABLE        |
| Upper explosion limit     | NOT RELEVANT         |
| Lower explosion limit     | NOT RELEVANT         |
| Partition coefficient     | NOT AVAILABLE        |
| Autoignition temperature  | NOT AVAILABLE        |
| Decomposition temperature | NOT AVAILABLE        |
| Viscosity                 | NOT AVAILABLE        |
| Explosive properties      | NOT AVAILABLE        |
| Oxidising properties      | NOT AVAILABLE        |
| Odour threshold           | NOT AVAILABLE        |

## 10. STABILITY AND REACTIVITY

### 10.1 Reactivity

Carefully review all information provided in sections 10.2 to 10.6.

### 10.2 Chemical stability

Stable under recommended conditions of storage.

### 10.3 Possibility of hazardous reactions

Polymerization is not expected to occur.

### 10.4 Conditions to avoid

Avoid heat, sparks, open flames and other ignition sources.

### 10.5 Incompatible materials

Incompatible with strong acids (e.g. hydrochloric acid).

### 10.6 Hazardous decomposition products

This material will not decompose to form hazardous products.

## 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

|                        |   |
|------------------------|---|
| Acute toxicity         | This product is expected to be of low toxicity. Ingestion is considered unlikely due to product form.   |
| Skin                   | Mechanical irritant. Prolonged or repeated contact may result in mild irritation due to mechanical action.  |
| Eye                    | Mechanical irritant. Due to product form and nature of use, the potential for exposure is reduced. Product may only present a hazard if material is cut, drilled or sanded with dust generation, which may result in mechanical irritation.   |
| Sensitisation          | Not classified as causing skin or respiratory sensitisation.  |
| Mutagenicity           | Not classified as a mutagen.  |
| Carcinogenicity        | Adverse health effects, usually associated with long term exposure to high respirable crystalline silica quartz dust levels are not anticipated due to product form. This product may only present a hazard if solid is cut or drilled with dust generation. Respirable crystalline silica quartz is classified as carcinogenic to humans (IARC Group 1). |
| Reproductive           | Not classified as a reproductive toxin.   |
| STOT - single exposure | Dust can be generated during cutting of the product. Dusts are mechanical irritants that may cause throat irritation.   |

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|                                 |  |
|---------------------------------|--|
| <b>STOT - repeated exposure</b> | Adverse health effects, usually associated with long term exposure to high respirable crystalline silica quartz dust levels are not anticipated due to the product form. This product may present a hazard if cut or drilled with dust generation. CAUTION: Repeated exposure to dust may cause lung fibrosis (silicosis). |
| <b>Aspiration</b>               | Not applicable for solids.   |

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**12. ECOLOGICAL INFORMATION**

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**12.1 Toxicity**

The substance is inert and there is no evidence of significant toxicity.

**12.2 Persistence and degradability**

Being inorganic, the substance will not biodegrade.

**12.3 Bioaccumulative potential**

The substance is inert and will not be absorbed and accumulate in tissues.

**12.4 Mobility in soil**

A low mobility would be expected in a landfill situation.

**12.5 Other adverse effects**

The main component/s of this product are not anticipated to cause any adverse effects to plants or animals.

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**13. DISPOSAL CONSIDERATIONS**

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**13.1 Waste treatment methods**

**Waste disposal** Reuse where possible. Dispose of in accordance with local regulations.

**Legislation** Dispose of in accordance with relevant local legislation.

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**14. TRANSPORT INFORMATION**

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**NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE, IMDG OR IATA**

|                                    | LAND TRANSPORT (ADG) | SEA TRANSPORT (IMDG / IMO) | AIR TRANSPORT (IATA / ICAO) |
|------------------------------------|----------------------|----------------------------|-----------------------------|
| <b>14.1 UN Number</b>              | None allocated.      | None allocated.            | None allocated.             |
| <b>14.2 Proper Shipping Name</b>   | None allocated.      | None allocated.            | None allocated.             |
| <b>14.3 Transport hazard class</b> | None allocated.      | None allocated.            | None allocated.             |
| <b>14.4 Packing Group</b>          | None allocated.      | None allocated.            | None allocated.             |

**14.5 Environmental hazards**

No information provided.

**14.6 Special precautions for user**

**Hazchem code** None allocated.

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**15. REGULATORY INFORMATION**

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

**Poison schedule** A poison schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

**Classifications** Safe Work Australia criteria is based on the Globally Harmonised System (GHS) of Classification and Labelling of Chemicals (GHS Revision 7).

**Inventory listings** **AUSTRALIA: AIC (Australian Inventory of Industrial Chemicals)**  
Some components are listed on AIC, or are exempt.

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**16. OTHER INFORMATION**

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**PRODUCT NAME YDL PORCELAIN****Additional information****PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:**

The recommendation for protective equipment contained within this report is provided as a guide only. Factors such as form of product, method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.

**HEALTH EFFECTS FROM EXPOSURE:**

It should be noted that the effects from exposure to this product will depend on several factors including: form of product; frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

**Abbreviations**

|                   |   |
|-------------------|---|
| ACGIH             | American Conference of Governmental Industrial Hygienists                                       |
| CAS #             | Chemical Abstract Service number - used to uniquely identify chemical compounds                 |
| CNS               | Central Nervous System  |
| EC No.            | EC No - European Community Number   |
| EMS               | Emergency Schedules (Emergency Procedures for Ships Carrying Dangerous Goods)                   |
| GHS               | Globally Harmonized System  |
| GTEPG             | Group Text Emergency Procedure Guide  |
| IARC              | International Agency for Research on Cancer   |
| LC50              | Lethal Concentration, 50% / Median Lethal Concentration   |
| LD50              | Lethal Dose, 50% / Median Lethal Dose   |
| mg/m <sup>3</sup> | Milligrams per Cubic Metre  |
| OEL               | Occupational Exposure Limit   |
| pH                | relates to hydrogen ion concentration using a scale of 0 (high acidic) to 14 (highly alkaline). |
| ppm               | Parts Per Million   |
| STEL              | Short-Term Exposure Limit   |
| STOT-RE           | Specific target organ toxicity (repeated exposure)  |
| STOT-SE           | Specific target organ toxicity (single exposure)  |
| SUSMP             | Standard for the Uniform Scheduling of Medicines and Poisons                                    |
| SWA               | Safe Work Australia   |
| TLV               | Threshold Limit Value   |
| TWA               | Time Weighted Average   |

**Report status**

This document has been compiled by RMT on behalf of the manufacturer, importer or supplier of the product and serves as their Safety Data Sheet ('SDS').

It is based on information concerning the product which has been provided to RMT by the manufacturer, importer or supplier or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer, importer or supplier.

While RMT has taken all due care to include accurate and up-to-date information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, RMT accepts no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS.

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