


## Material Safety Data Sheet 31.01.12

<p><b>Product Name:</b> Example:</p>	<p><b>Decorative Crushed Slate Products</b></p> 
<p><b>1. Product and company identification</b> Product name:</p> <p>Product type and use:</p> <p>Address and telephone number:</p>	<p>Decorative Crushed Slate Products</p> <p>All types used for a wide range of construction, civil engineering and domestic applications.</p> <p>Welsh Slate Ltd Penrhyn Quarry Bethesda Bangor Gwynedd LL57 4YG</p> <p>Tel: +44 (0) 1248 600 656 Email: enquiries@welshslate.com</p>
<p><b>2. Composition/Information on Ingredients</b></p>	<p>Slate is a metamorphic rock. The composition consists of various combinations of minerals including quartz (typical concentration &lt; 25% crystalline silica).</p>
<p><b>3. Hazard Identification</b> Main risks:</p> <p>Inhalation:</p> <p>Skin contact:</p> <p>Contact with eyes:</p> <p>Ingestion:</p> <p>Environmental risks:</p>	<p>May cause a long term health hazard if respirable dust produced from working with slate is inhaled.</p> <p>If any respirable dust – produced whilst working with or re-processing the slate is inhaled in excessive quantities over a long period (years), it may create a long-term chronic health hazard.</p> <p>May cause skin irritation e.g. redness, eczema. Can cause cuts and abrasions.</p> <p>May cause eye irritation.</p> <p>May cause irritation if swallowed.</p> <p>May cause contamination if slate fines are allowed to enter the local water course.</p>

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<b>4. First Aid Measures</b> General:  Inhalation:  Skin contact:  Contact with eyes:  Ingestion:	Unlikely to be hazardous if handled correctly.  Not applicable.  Wash skin with water. For cuts and abrasions; clean with sterile water and apply sterile dressing if required.  Wash out with sterile water and seek medical attention if required.  Wash out with clean drinking water and seek medical attention if required.
<b>5. Fire-Fighting Measures</b> Extinguishing media:  Protective equipment:  Special hazards:  <b>Note:</b>	Not applicable.  Not applicable.  Not applicable.  Slate is non combustible/flammable.
<b>6. Accidental Release Measures</b> Personal precautions:  Environmental:  Method of cleaning up on ground:  Method of cleaning up in water:	Use appropriate protective clothing (See section 8).  Do not let slate fines enter the local water course, any run off should be contained.  Dowse with water to reduce respirable dust and ensure environmental precautions are implemented.  Inform the appropriate local authority.
<b>7. Handling and Storage</b>  Storage conditions:  Storage stability:  <b>Note:</b>	Not applicable.  Not applicable.  There are no special measures/conditions.
<b>8. Exposure Controls/Personal Protection</b> Engineering measures to reduce exposure:  Personal protective equipment:  Inhalation:  Skin:	When working/re-processing, the working area and methods should be designed to incorporate a Local Exhaust Ventilation (LEV) system.  Respiratory protection should be suitable for hazardous dusts in accordance with HSE publication HSG 53.  Protective gloves to BS EN 420 should be worn.

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<b>8. Exposure Controls/Personal Protection Cont.</b> Eye protection:  Work exposure limit (WEL):	Eye protection should be dust tight type to BS EN 166.  Respirable crystalline silica (RCS) has a maximum exposure limit of 0.1mg/ m <sup>3</sup> per 8-hour Time Weighted Average. All dusts have a Respirable Occupational Exposure Standard of 4mg/m <sup>3</sup> and an Inhalable Occupational Exposure Standard of 10mg/ m <sup>3</sup> 8 hour Time Weighted Average.
<b>9. Physical and Chemical Properties</b> State: Colour: Odour: Ph: Boiling temperature (°C): Melting / decomposition temp (°C): Density (kg/m <sup>3</sup> ): Solubility in water (weight-%): Solubility in organic solvents:	Solid. Blue / Plum / Green. None.  Not applicable. Not applicable. 2.8kg/m <sup>3</sup> Non-soluble. Non-soluble.
<b>10. Stability and Reactivity</b> Conditions to avoid: Material to avoid: Hazardous decomposition products:	None. None. None.
<b>11. Toxicological Information</b> Toxicological information:   Note:	Prolonged exposure to Respirable Crystalline Silica (RCS) slate dust may cause silicosis. Long-term exposure to high levels of RCS dust can also lead to an increased risk of developing lung cancer.  If the dust given off from working with slate is fine enough to breathe into the lungs through the nose and mouth this is termed "respirable". Once it is breathed in, RCS dust can be retained in the lungs for many years.
<b>12. Ecological Information</b> Mobility:  Persistence and degradability:  Bio accumulative potential	Non-volatile.  Non-biodegradable.  No bio accumulative potential.
<b>13. Disposal Information</b> Disposal of product:   Disposal of packaging:	Slate is an inert material and any waste produced should be disposed of in accordance with applicable environmental legislation.  Must be disposed of in accordance with regional or national environmental legislation.

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<p><b>14. Transport Information</b> Transport warning label</p> <p>Packaging group:</p> <p>ADR/RID: IMO-IMDG code: IATA: UN No:</p>	<p>Crushed slate products do not require labeling and is not subject to hazardous substance conveyance regulations.</p> <p>Not applicable. Not applicable. Not applicable. Not applicable.</p>
<p><b>15. Regulatory Information</b> Labeling according to EU directives</p> <p>DANGER symbol(s):</p> <p>Risk phrases:</p> <p>Safety phrases:</p> <p>CAS No:</p>	<p>None.</p> <p>R36 – Irritating to eyes; R66 – Repeated exposure may cause dry skin or cracking; R68/20 – Harmful: Possible risk of irreversible effects through inhalation.</p> <p>S22 – Do not breath dust; S25 – Avoid contact with eyes; S37/39 – Wear suitable gloves and eye / face protection; S38 – In case of insufficient ventilation wear suitable respiratory equipment; S51 – Use only in well-ventilated areas; S57 – Use appropriate containment to avoid environmental contamination.</p> <p>None.</p>
<p><b>16. Other Information</b> Other information:</p> <p>Legal disclaimer:</p>	<p>Dry dust from natural slate is a substance hazardous to health and requires employers to carry out an assessment of risk in accordance with the COSHH Regulations 2002 (as amended).</p> <p>This Material Safety Data Sheet (MSDS) covers the product (Decorative Crushed Slate) in its original (sold) state. If re-processed then the information included in this MSDS must be evaluated prior to proceeding.</p> <p>The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any harm or damage resulting from handling or from contact with the above product.</p>