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Material Safety Data Sheet: Aggregate Concrete Masonry Units

<p>1.</p> <p>(a) <u>Identification of Product:</u></p> <p>Aggregate Concrete Masonry Units (Blocks) for use in walling</p> <p>(b) <u>Name of Company:</u></p> <p>Wexford Block (Irl) Ltd. Castlebridge, Co. Wexford</p> <p><u>Phone:</u></p> <p>053 9159500</p> <p>(c) <u>Application:</u></p> <p>Concrete blocks are supplied in various shapes and sizes for use in general construction. Use of Concrete Blocks should be in accordance with the relevant national/European Union codes of practice.</p> <p><u>2. Composition:</u></p> <p>Concrete blocks are composed of hardened concrete. The concrete is a mixture of cements, natural aggregate, water and admixtures.</p> <p><u>3. Hazard Identification:</u></p> <p>3.1 Concrete blocks are abrasive. Weights of individual concrete blocks and of strapped layers or bales of concrete blocks are such that injury can be caused when lifting or otherwise handling them (see Clause 9 for more details on weights).</p> <p>3.2 Unless properly arranged and located, stacks of individual concrete blocks or of layers or bales of concrete blocks (whether loose or strapped) can be unstable and liable to collapse.</p> <p>3.3 Strapping is sharp and tensioned and can cause injury when removing or otherwise handling it.</p>	<p>3.4 Cutting, drilling, hammering and other such treatment of concrete blocks can create dust. If inhaled in excessive quantities over extended periods, inhalation of dust can constitute a long-term health hazard. Cutting, drilling, hammering and other such treatment of concrete blocks, unless adequately controlled, can also project particles at high velocity with consequent risk of impact damage and/or injury particularly to eyes and other exposed areas of the body.</p> <p><u>4. First Aid Measures:</u></p> <p>First Aid Treatment is as follows:</p> <p>4.1 <u>Eye Contact</u> (Dust or other particles): Immediately rinse under clean running water and seek medical advice.</p> <p>4.2 <u>Cuts/Abrasions:</u> Clean and treat cuts/abrasions using normal First-Aid methods. Wounds must receive prompt medical attention.</p> <p>In all cases of doubt or where symptoms persist medical advice must be obtained.</p> <p><u>5. Fire Fighting Measures:</u></p> <p>Not applicable.</p> <p><u>6. Accidental Release Measures:</u></p> <p>6.1 Avoid contact with skin</p> <p>6.2 Tidy up debris from broken blocks</p>
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7. Handling & Storage:

7.1 Observe, and where necessary keep clear of, all vehicles/equipment involved in the delivery and off-loading of concrete blocks.

7.2 Avoid contact with skin.

7.3 Wear protective clothing as detailed in Clause 8.

7.4 Before lifting, always size up the load. Always follow safe lifting and manual handling procedures.

7.5 In particular, use suitable equipment when lifting, transporting or otherwise handling layers or bales of concrete blocks (whether loose or strapped), ensuring especially that the loading capacity and clamping ability of such equipment is adequate.

7.6 Ensure integrity and stability of concrete blocks and of layers or bales of concrete blocks (whether loose or strapped) whilst transporting or storing.

7.7 Ensure adequate load-bearing capacity, levelness and rigidity of all surfaces/platforms etc. on which concrete blocks are placed or stored and ensure that any sub-structure supporting such surfaces/platforms etc. are similarly safe.

7.8 Strapping is only designed to facilitate handling during manufacture and should not be relied upon to provide stability of layers or bales of concrete blocks during transport, site handling or storage and should never be used as a lifting aid.

7.9 Use suitable equipment to remove strapping, having first ensured that blocks are stable and will not fall over on removal of strapping.

8. Exposure controls & Personal Protection

8.1 Wear suitable protective gloves, overalls, safety helmets and safety footwear with protective toe-caps in all situations.

8.2 Wear suitable goggles to prevent eye contact from dust and flying particles when cutting, drilling, hammering or otherwise treating concrete blocks.

8.3 Wear suitable respiratory protection (such as dust masks) when cutting, drilling, hammering or otherwise treating concrete blocks.

9. Physical & Chemical Properties:

Concrete blocks are coloured as follows:

5N/mm² grey

10N/mm² – Red,

21N/mm² - Black

Concrete blocks are abrasive. Individual concrete blocks can weigh up to 30kg depending on dimensions and density.

The typical weight of a 100mm solid block (440x215x100mm) is approximately 20kg.

The typical weight of a 215mm hollow block with vertical voids (440x215x215mm) is approximately 25kg.

Details of the sizes and weights of all types of blocks and of strapped layers of blocks are available on request.

10. Stability & Reactivity:

Not applicable

11. Toxicological Information:

Not applicable.

12. Ecological Information:

Concrete blocks have no ecological effects.

13. Disposal Considerations:

Concrete blocks may be recycled or placed in approved licensed landfill sites.

14. Transport Information:

Ensure security and safety of load at all times.

15. Regulatory Information:

Manufactured to I.S EN 771-3:2011 Declaration of performance and CE Marking available on request.

16. Other Information:

None