

L&S ECOblock

Health & Safety Product Data Sheet

Product

Pre-cast concrete block

Physical & Chemical Characteristics

Pre-cast concrete blocks are manufactured by compacting a mixture of aggregate, cement and water into a mould to produce the required shape and strength. They are odourless and solid.

Admixtures may be added to improve production techniques or the properties of the finished product.

Main Hazards

- Hardened concrete is inert, but edges and surfaces can be sharp and abrasive.
- The surface treatment and cutting of hardened concrete can create dust which may contain quartz. If inhaled in excessive quantities over extended periods, respirable dust containing quartz can constitute a long term health hazard and may cause the development of silicosis or lung cancer.
- Any cutting may result in partials or sections of the concrete surface being projected at high speed.
- Consideration should be given to the mass of the units before manual handling.

Precautions

- Avoid dry-cutting concrete wherever possible, using a lubricant such as water will minimize emission of dust. Inhalation of concrete dust should be avoided. Wear suitable eye protection.
- Employ good manual handling techniques, use of mechanical lifting aids should be considered.

Protective Clothing

- Protective clothing, particularly on hands and feet, should be worn when handling concrete blocks e.g. industrial gloves and safety footwear.
- Respiratory protective equipment and eye protection should be worn during surface treatment or cutting of blocks.

Transportation & Waste Disposal

The carriage of pre-cast concrete blocks is not subject to hazardous substance conveyance regulations and vehicle labelling is not required.

Emergency Action

- Skin contact – On contact with concrete dust immediately wash with copious amounts of clean water and soap. Clothing contaminated by concrete dust should be removed and washed thoroughly before use. If irritation occurs seek medical attention.
- Inhalation- If concrete dust is inhaled move affected person into fresh air. If breathing problems persist seek medical attention.
- Ingestion – If ingestion of concrete dust occurs and causes irritation seek medical attention.



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