

Precast and Masonry Concrete Products Safety Data Sheet

1 – Company

Stowell Concrete Ltd,
 Arnolds Way
 Yatton
 Bristol
 BS49 4QN
 Telephone: 01934 834000
 E-mail: sales@stowellconcrete.co.uk
 Website: www.stowellconcrete.co.uk

2 – Composition

A mixture of natural and recycled aggregates, cement, and water. Other ingredients may include beneficiated fly ash, lightweight expanded clay aggregates, pigments, admixtures, and steel reinforcement.

3 – Hazard Identification

Cutting or similar surface treatment of the products will give rise to dust/particles. Such dust contains respirable crystalline silica and if inhaled in excessive quantities over extended periods, can lead to silicosis and an increased risk of developing lung cancer. Ensure suitable controls are in place and wear respiration equipment and eye protection.

Concrete has a high alkali level which can lead to skin irritation, dermatitis or in extreme cases burns, the product may also have sharp edges causing abrasion when handling. Ensure all exposed skin is protected including suitable gloves.

4 - First Aid Measures

Eyes - if dust contacts the eyes and causes irritation, irrigate with water. If symptoms persist, seek medical attention.

Skin - if contact causes irritation, wash with water. If symptoms persist, seek medical attention.

Ingestion – if dust is ingested and causes irritation, remove the affected person from the area. If symptoms persist, seek medical attention.

Inhalation – if dust is inhaled, remove the affected person from the area. If symptoms of irritation persist, seek medical attention.

5 – Fire Fighting

Materials do not support combustion.

6 – Accidental Release

Not applicable for finished concrete but consider that any dust or debris from cutting or similar surface treatment of the products should not enter water courses.

7 – Handling and Storage

Care should be taken in the stacking, un-banding, and general handling of packs and individual units. Manual Handling regulations should always be followed. Packs should be stored on firm, level ground, they should be stable and if pallets are used, then loadings must be considered. See our product data sheets for the weight of our products. See separate On-site Instructions for our T Beams.

8 – Exposure Controls/Personal protection

Eyes – dust-proof and impact-resistant goggles when cutting or similar surface treatments are being carried out.

Skin - Suitable clothing and gloves should be worn to prevent skin contact with the product and protect from abrasion.

Respiratory – Cutting or similar activity will give rise to dust. Where reasonably practicable dust exposure should be controlled by engineering methods. Where PPE is used it should meet HSE-approved standards to limit exposures.

8 Hour TWA

Total inhalable dust	10mg/m3 LTEL
Respirable dust	4mg/m3 LTEL
Respirable Crystalline Silica	0.1mg/m3 LTEL

General - protective footwear should be worn.

9 - Physical and Chemical properties

Concrete products are manufactured using a hydrated mixture of aggregates and cementitious materials which subsequently undergo a curing process. Mixes will have typical alkaline values between 10-14pH.

10 - Stability and Reactivity

Products are stable under normal storage and construction conditions.

11 - Toxicology Information

Products cause no issues during normal storage and construction conditions.

12 – Ecological Information

Products cause no issues during normal storage and construction conditions.

13 – Life Cycle and disposal considerations

Concrete products are inert and fully recyclable.

Plastic banding is PET 1
Polyethylene Terephthalate

Shrink-wrap/stretch-hooding is LDPE 4
Low-Density Polyethylene.

All are fully recyclable, where appropriate facilities exist.



Timber pallets, bearers and strips are FSC certified and can be reused after considering the proposed application and suitably repaired if necessary.

Timber products can be returned if they are suitable for reuse.

Once timber products are deemed unsuitable for reuse, they can be processed into Biomass Fuel and used as a renewable power source.



Steel reinforcement within products and steel nails from pallets are fully recyclable.



All products and associated packaging should be disposed of in accordance with local legal requirements.

14 - Transport Information

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

Concrete products may be packaged with polyester banding and in some instances, either shrink-wrapped or stretch-hooded, mainly to protect the product from weathering. Packaging alone should not be relied upon for load security or retention. See our advice on our website, based on Driver and Vehicle Standards Agency (DVSA) Guidance.

15 - Regulatory Information

All relevant Health and Safety and Environmental Legislation should be complied with.

For further information, please contact Clare Bessant on 01934 834000.