



Health & Safety Product Data Sheet

1. Identification of Substance

Substance

Precast concrete products, typically lintols and other precast products.

Company

Tullyleek Precast Concrete Limited

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2. Composition

Precast concrete products are composed of cementitious material, aggregates which may contain silica, colour pigments and admixtures. Some products may contain steel reinforcing and or alkali resistant glass fibre reinforcing.

3. Hazards Identification

The products as supplied are of an inert nature and inherently non hazardous to health.

Concrete dust cutting and surface treatment can create dust and flying fragments. The dust created could contain particles of a respirable size which may contain silica.

Extended periods of exposure to high concentrations of such dust can be hazardous to health.

Certain products, dependant on size and density, are generally heavy. These factors increase the risk of physical injury. Removal of wrapping /strapping under tension may cause:

- Products to fall from the stack
- Eye injury from strap ends.

4. First Aid Measures

Airborne dust

Inhalation

Removal from exposure to fresh air

Skin Contact

Wash with water

Eye Contact

Immediately irrigate with copious amounts of water and seek medical attention.

Ingestion

Remove from exposure to fresh air

5. Fire fighting measures

None needed.

6. Accidental release measures

Personal Protection:

In the event of the creation of dust during surface treatments or cutting, avoid breathing in the dust. wear dust mask/respirator and goggles as specified in section eight - Exposure controls/personal protection.

Environmental Measures:

The release of dust into the atmosphere does not constitute a significant hazard. waste product and waste packaging i.e. wooden pallets, steel/plastic straps, polythene wrapping, should be disposed of in accordance with local authority requirements.

Methods of Cleaning:

Vacuum system. Water spraying to prevent airborne dust. Where possible avoid dry sweeping which creates dust. Damp down surfaces.

7. Handling and Storage

When dust may be created:

Surface treatment and cutting should be minimised to avoid the creation of airborne dust. Where this is not available, engineering controls such as containment and local exhaust ventilation should be applied when airborne dust exposure levels are approached.

Products as delivered:

- i) The weight and surface nature of the product requires the use of protective gloves and footwear.
- ii) The manual handling of such loads should not be attempted without a risk assessment as required by the Manual Handling of Loads at Work Regulations 1992.
- iii) Use correct craneage for off-loading vehicles. Properly constructed 'c' hooks with spreader bar or canvas/fabric slings with a central lift are recommended for long loads such as lintols. Packs of precast products supplied with or without wooden pallets should be securely clamped by means of a block handling clamp, preferably fitted with stabiliser gates during off-loading and transportation on site.
- iv) Where lifting points are provided, the lifting points must be used.
- v) Where lifting points are not provided, then suitable (canvas/fabric) should be used around the product and never through it. Correct craneage should always be utilised.
- vi) Care should be taken when breaking down products stacks either on the delivery vehicle or on site from falling product and/or cut strapping.
- vii) The products should be stacked on a firm, level surface capable of supporting the load in a stable condition. Stack heights must be limited to the security of the product as packaged subject to risk assessment.
- viii) Product stacks elevated by means of tower or similar cranes should be netted for additional security.

8. Exposure Control / Personal Protection

Occupational exposure limits:

Please refer to the latest issue of EH40 for current limits

Engineering control measures for dust:

see section seven, Handling and storage

Personal Protection:

Respiratory protection: to HSE approved standard

Hand protection: safety goggles to HSE approved standard for dust and impact

Skin Protection: overalls

Foot Protection: to BSEN345 Safety footwear

9. Physical and chemical properties

Odourless shaped components of precast concrete. Other chemical properties not applicable.

10. Stability and reactivity

Not applicable

11. Toxicological information

Airborne dust

Health effects

On eyes: may cause transient irritation.

On skin: unlikely to cause harm on brief or occasional contact.

By inhalation: inhalation of large quantities of respirable silica may lead to progressive lung damage. This may cause permanent disability and in extreme cases, may be fatal.

By ingestion: unlikely to cause harm.

Chronic: exposure to high levels of silica may cause progressive silicosis.

Others: none known

12. Ecological information

Environmental Assessment:

When used and disposed of as intended, no adverse environmental effects are foreseen.

13. Disposal Considerations

Is not classified as hazardous for disposal purposes. Subject to local authority disposal requirements.

14. Transport Information

Classification for conveyance not required.

15. Regulatory Information

Hazard Label Data:

This product is NOT classified as dangerous for supply in the UK.

Statutory instruments:

Health & Safety at Work etc. Act 1974

Consumer Protection Act 1987

Environmental Protection Act 1990

COSHH 1994

Guidance Notes:

Occupational Exposure Limits (EH40)

Local Exhaust Ventilation (HS(G)37)

Crystalline Silica (EH59)

Dust, General principles of protection (EH44)

Waste Management - The Duty of Care

Manual Handling - Guidance on Regulations - L23

The above publications are available from HMSO or HSE.

16. Other information

The data and advice given above apply when the products are used as intended. Use of the products for other applications may give rise to risks not mentioned. The information contained within this safety data sheet does not constitute the users own assessment of risk as required by other health and safety legislation. i.e. COSHH 1994, MHSWR 1992.

If you have purchased the product for supply to a third party for use at work, It is your duty to take all necessary steps to secure that ant person handling or using the product is provided with the information on this sheet.

If you are an employer, It is your duty to tell your employees and others who may be affected by any hazards described in this sheet and of any precautions which should be taken. Further copies of this safety data sheet may be obtained from Tullyleek Precast Concrete Limited, 41a Pomeroy Rd, Dungannon, Co.Tyrone, BT70 3AZ or telephone (028) 8776 1313.