

# SAFETY DATA SHEET

April 2013

## 1: IDENTIFICATION OF THE PRODUCT AND THE COMPANY UNDERTAKING

Product Name: Precast Concrete Products  
Product Description: Typically Pipes, Manholes & Railway Sleepers plus other ancillary products  
Company: Stanton Bonna Concrete Ltd  
Littlewell Lane, Stanton By Dale, Ilkeston, Derbyshire DE7 4QW  
Telephone Number: 0115 944 1448 Fax: 0115 944 1466 Email: info@stanton-bonna.co.uk

## 2: HAZARDS IDENTIFICATION

The products supplied are themselves inert and non hazardous to health, but any cutting, drilling or grinding operations will produce large amounts of dust and flying fragments. The dust will contain quantities of Respirable Crystalline Silica (RCS). Long term prolonged exposure to high levels of RCS can lead to an increased risk of developing silicosis and lung cancer. The fragments can be projected at high speed so there is the risk of injury or damage.

If the concrete has a rough surface finish or steel reinforcement is exposed, cuts & abrasions or puncture wounds may be sustained.

## 3: COMPOSITION / INFORMATION ON INGREDIENTS

Precast concrete products are composed of sand & aggregates (which contain naturally occurring silica), cementitious material, admixtures and water. Some products may contain steel reinforcing.

## 4: FIRST AID MEASURES

General advice	If in doubt or symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
Inhalation (Dust)	Remove to fresh air. Seek medical attention if required.
Skin	Wash thoroughly with soap & water or proprietary skin cleaner and apply (cuts/abrasions) suitable dressings.
Eye Contact	Contact lenses should be removed. Irrigate with copious amounts of clean, fresh water while holding the eyelids apart. Seek medical attention.
Ingestion	Remove from exposure to fresh air and seek medical attention.

## 5: FIRE-FIGHTING MEASURES

Concrete is not flammable

## 6: ACCIDENTAL RELEASE MEASURES

Avoid breathing in dust, wear dust mask/respirator and goggles.

## 7: HANDLING & STORAGE

Preferred method of offloading is by mechanical means without anyone going onto the lorry bed. Products exist to avoid most cases of working on the lorry bed. All lifting operations should comply with the Lifting Operation and Lifting Equipment Regulations 1998 (LOLER)

Products should be stored on firm, level ground and pipes ideally placed on timbers and chocked to avoid rolling. Manhole rings should be stored chimney fashion to avoid rolling.

## 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Workplace exposure limits: Total Inhalable Dust 10mg/m<sup>3</sup>  
See EH40/2005 Respirable Dust 4mg/ m<sup>3</sup>  
All 8 hour TWA Respirable Crystalline Silica 0.1mg/ m<sup>3</sup>  
Respiratory Protection: Suitable RPE with P3 filters and minimum APF of 10  
Skin Protection: Protective gloves  
Eye Protection: Safety goggles for cutting, grinding or drilling operations

## 9: PHYSICAL & CHEMICAL PROPERTIES

Appearance: Grey in colour  
Other Chemical Properties: Not Applicable

## 10: STABILITY & REACTIVITY

Stable. No hazardous decomposition products

## 11: TOXICOLOGICAL INFORMATION

Health effects of airborne dust from cutting, drilling and grinding:

Eyes: May cause irritation  
Skin: Unlikely to cause irritation with brief or occasional contact  
Inhalation: Over a long period of time may give rise to lung damage  
Ingestion: Unlikely to cause harm

## 12: ECOLOGICAL INFORMATION

Non hazardous & non biodegradable

## 13: DISPOSAL CONSIDERATIONS

Hardened concrete is inert and may be recycled or placed in an approved licensed landfill site

## 14: TRANSPORT INFORMATION

Not hazardous. Not classed as dangerous goods.

## 15: REGULATORY INFORMATION

Safety Phrases: S22 – Do not inhale dust

## 16: OTHER INFORMATION

Health & Safety at Work Act 1974, Control of Substances Hazardous to Health Regs 2002

Workplace Exposure Limits (EH40/2005 - 2nd edition 2011), HSE INDG463 (Mar 2013) Control of Exposure to Silica Dust