

DATASHEET

Health & Safety Concrete Products

1. Identification of the substance/mixture and the company undertaking

Products include reconstituted stone, concrete blocks, cast stone and natural stone.

Used for building and construction purposes.

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2. Hazard identification

According to Regulation (EC) No. 1272/2008, concrete items are classified as articles and therefore not classified as hazardous under EC/1272/2008. Concrete products manufactured by Bekstone present minimal health hazards, risk may arise when cutting by bolster, drill or saw, creating respirable dust which may contain Quartz (Crystalline Silica) particles.

The product does not need to be labelled in accordance with EC directives & respective national laws.

3. Composition/information on ingredients

Concrete products are classified as articles and therefore not notifiable and not reportable under EC/1907/2006.

Concrete products are manufactured from a mixture of raw materials including fine & coarse aggregates, cement, water, pigments and admixtures to aid curing and water resistance.

4. First aid measures

Inhalation: not applicable when intact. If inhaled whilst cutting remove person to fresh air and if problem persists seek medical attention.

Skin contact: Not applicable when intact. If handled with wet/dry concrete dust remove contacted clothing and wash skin with soap and water, if skin irritation present seek medical attention.

Eye contact: Not applicable when intact. If exposed to concrete dust, do not rub eyes as material is abrasive, wash with copious water or eye wash solution. If irritation persists seek medical attention.

Ingestion: Not applicable when intact. If material enters mouth, drink plenty of water, do not induce vomiting. If problem persists seek medical attention.

5. Fire-fighting measures

Concrete is not flammable or combustible. No special exposure or requirements in event of fire.

6. Accidental release measures

Personal precautions not applicable when intact. Avoid excessive handling, breathing in dust, skin & eye contact.

Environmental precautions not applicable when intact. When cutting avoid excessive airborne dust.

Methods for cleaning require no special requirements. Where possible use mechanical lifting aids, ensuring work area routinely cleaning ideally via suction minimising air borne dust.

7. Handling and storage

Handling

Products / packs are normally delivered without wooden pallets, held together with strapping and shrink-wrap bag walling products having voids for forklift tines. Normal method of off-loading is via lorry mounted grab. Caution to be taken with movement on site via forklift or other means as strapping and bagging could fail allowing product to fall.

Manual Handling of products to be kept to reasonable levels, avoiding excessive lifting/carrying. Safety boots and gloves to be worn, avoiding cuts or abrasions.

Drilling or cutting: appropriate workplace safety measures must be taken, appropriate personal protective equipment worn, including eye, skin and face mask.

Storage

All products must be off-loaded and stored on firm level ground. Additional care must be taken when stacking, packs must not be stacked more than 3 packs high on firm ground, 2 high on slightly un-even ground. Stack stability must be assessed to avoid packs toppling over.

Before removing shrink-wrap bag or banding tape ensure that packs are level and will not fall apart. Care to be taken when cutting banding tape, wearing of eye protection and suitable gloves.

8. Exposure controls/personal protection

None in the form of particles. Normal PPE applies when handling products including safety boots and gloves. Workplace areas to be kept clean and tidy.

Eye/Face protection: Safety glasses or goggles

Hand protection: Industrial gloves

Skin protection: Clean overalls

Footwear: Safety footwear

Respiratory protection: suitable dust mask and ideally dust extraction equipment.

Manual Handling: Avoid repetitive handling, reducing risk of strains or sprains. Careful consideration should be taken with use of handling aids, training and rest breaks. Further information available from HSE manual handling regulations 1992.

9. Physical and chemical properties

Appearance: solid product in range of sizes and colours

Odour: none

PH: not applicable

Boiling point/range: not applicable

Melting point/range: not applicable

Flash point: not applicable

Flammability: not applicable

Auto flammability: not applicable

Explosive properties: not applicable

Oxidising properties: not applicable

Vapour pressure: not applicable

Relative density: above 1.8Kg/m³

Water solubility: dependant upon type of aggregate

Fat solubility: not available

10. Stability & reactivity

Conditions to avoid: none

Materials to avoid: none

Hazardous decomposition products: none in use

11. Toxicological Information

Acute toxicity: none

Eye damage: not applicable when intact

Skin condition/irritation: not applicable when intact

Respiratory: not applicable when intact. When drilling or cutting suitable face mask to be worn, avoiding excessive airborne dust.

Ingestion: not applicable when intact

12. Ecological information

Environmental assessment: when used and disposed of as intended, no adverse environmental effects are foreseen.

13. Disposal considerations

Concrete products are inert waste and can be recycled or disposed of in accordance with waste regulations. All packaging to be recycled or disposed of as industrial waste.

14. Transport Information

Special carriage information: none required

15. Regulatory information

Not applicable to articles

Health & Safety at work act 1974

Control of substances hazardous to health regs 2002 (amended)

Classification, labelling and packaging of substances and mixtures regulations 2008 (amended)

EH40/2005 Workplace exposure limits (amended)

HSE Control of exposure to silica dust INDG463

16. Other Information

This information provided is to the best of the company's knowledge and believed to be accurate at date of issue. Responsibility for use rests with the customer. Bekstone accepts no liability in respect of other materials used with our products.

