PRODUCT SAFETY DATA SHEET

This generic SDS is provided by MGS Ltd to give information to assist with material handling of the products listed.

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SECTION 1: Identification of the substance / mixture and of the company / undertaking	
1.1 Product Identifier	
Product Name:	Ballast
Chemical Name:	Natural Aggregate
1.2 Relevant identified uses of the substance or mixture and uses advised against	
Recommended Use:	Raw material for concrete, mortar, macadams and asphalts and other recipes requiring natural aggregates. Can also be used as a single sized or blended natural product.
Restriction on Use:	None known.
Physical Properties:	Natural aggregates cover of a wide range of sizes and colours.
1.3 Details of the supplier of the Safety Data Sheet	
Name:	MGS Ltd
Address:	Rougham Industrial Estate, Bury St Edmunds, IP30 9ND
Country:	UK
Phone N°:	+44 1359 271167
Email:	info@mgs.co.uk
Website:	www.mgs.co.uk
1.4 Emergency telephone number	
Emergency telephone at the company:	+44 7738 197 517
Available outside office hours:	Yes
Language of the phone service:	English
E-mail of competent person responsible:	darren.portway@mgs.co.uk
National contact:	Darren Portway

SECTION 2: Hazard Identification

2.1 Classification of the substance or mixture

Not classed as hazardous.

2.2 Label elements

None.

2.3 Other hazards

Respirable dust inhaled over a prolonged period of time could constitute a health hazard. Dust from some natural aggregates will contain respirable crystalline silica. Natural aggregates can cause abrasion or irritation to skin and eyes. Natural aggregates can cause gastrointestinal irritation if ingested.

SECTION 3: Composition / Information on Ingredients

3.1 Substances

Natural product.

3.2 Mixtures

Blended product sand and stone.

SECTION 4: First Aid Measures

4.1 Description of first aid measures

Skin contact:	Wash with soap water. If prolonged contact causes irritation seek medical attention.
Eye contact:	Irrigate with plenty of water and seek medical attention if soreness continues.
Ingestion:	Give water to drink and seek medical advice.
Inhalation:	Move person to fresh air and seek medical attention of symptoms cause breathing difficulties.

4.2 Most important symptoms and effects, both acute and delayed

Unlikely to be hazardous if handled correctly.

4.3 Indication of any immediate medical attention and special treatment needed

None.

SECTION 5: Fire Fighting Measures

5.1 Extinguishing media

Use according to surrounding fire.

5.2 Special hazards arising from the substance or mixture

None.

5.3 Advice for fire fighters

Avoid breathing fine dust, wear respirator and goggles.

SECTION 6: Accidental Release Measures

6.1 Personal precautions, protective equipment, and emergency procedures

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

6.2 Environmental precautions

Crushed rock, sand and gravel aggregates are inert and should not cause long term environmental damage but may cause nuisance from soiling.

6.3 Methods and material for containment and cleaning up

Vacuum cleaning is the preferred method for dry fine materials
Avoid dry sweeping which creates dust
Water spraying to prevent airborne dust

6.4 Reference to other sections

See Section 8 for exposure controls and personal protection.

SECTION 7: Handling & Storage

7.1 Precautions for safe handling

Handle to minimise the creation of airborne dust. Goggles and dust mask should be worn.

7.2 Conditions for safe storage, including any incompatibilities

Bagged aggregates should be palletised and kept secure. Dry fine bulk products should be stored in silos fitted with emission control equipment. Aggregates containing <3 mm material and stored in the open should be conditioned with water to minimise fugitive dust.

7.3 Specific end use(s)

Raw material for concrete, mortar, macadams and asphalts and other recipes requiring natural aggregates. Can also be used as a single sized or blended natural product.

SECTION 8: Exposure Controls / Personal Protection

8.1 Control parameters

Occupational Exposure Limits

Occupational dust surveys are recommended for personnel with regular exposure to respirable dust.
Corrective action shall be taken where MEL or OES at risk of being exceeded.
UK EH40 MEL EXPOSURE LIMIT 0.3mg/m3 respirable crystalline silica
UK EH40 OES EXPOSURE CONTROL LIMITS:

- Total dust: 10 mg/m³, 8-hour TWA
- Respirable dust: 4 mg/m³, 8-hour TWA
- Respirable quartz/RCS: 0.1 mg/m³, 8-hour TWA

8.2 Exposure controls	
Tight fitting goggles to protect eyes.	
Dust masks / respirator to protect from airborne dust.	
Gloves to protect hands.	
Workwear / overalls to protect skin.	

SECTION 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance	Natural aggregates cover of a wide range of sizes and colours.

9.2 Other information

Classified as inert material chemical properties can vary depending on origin.

SECTION 10: Stability and Reactivity

10.1 Reactivity

None.

10.2 Chemical stability

Stable.

10.3 Possibility of hazardous reactions

None.

10.4 Conditions to avoid

None.

10.5 Incompatible materials

None.

10.6 Hazardous decomposition products

None.

SECTION 11: Toxicological Information

11.1 Information on toxicological effects

Caution - Respirable dust could, if inhaled over a prolonged period of time, constitute of health hazard.

SECTION 12: Ecological Information

Dust can cause soiling and damage sensitive vegetation after prolonged exposure. Aggregates are classified inert and not considered to pose ecological concern.

SECTION 13: Disposal Considerations

13.1 Waste treatment methods

Aggregates should be disposed of in accordance with legal requirements.

SECTION 14: Transportation Information

Special carriage recommendations:

- dry fine material best transported by bulk tanker or sealed bags
- aggregates should be sheeted or conditioned with water to minimise dust

SECTION 15: Regulatory Information

15.1 Safety, health, and environmental regulations / legislation specific for the substance or mixture

Classification: Not classified as dangerous. However, consideration of the following risk &safety phrases is recommended:

EC1272/2008

Hazard statements:

H317 – May cause skin irritation

H335 – May cause respiratory irritation

H372 – Causes damage to organs through prolonged or repeated exposure (relates to possible lung damage if exposed to respirable silica*).

Precautionary statements:

P261 – Avoid breathing dust

P281 – Use personal protective equipment (see section 8.2)

15.2 Chemical safety assessment

No information.

SECTION 16: Other Information

Warning

*Natural aggregates may contain respirable silica in the form of Quartz. Prolonged exposure can give rise to silicosis. The respirable percentage of SiO2 available to inhale will depend on the type of aggregate and handling conditions.

16.1 Training advice

Wear and use of PPE.

16.2 Recommended Uses and Applications

Industrial and construction applications.

Disclaimer:

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability of completeness. It is the user's responsibility to satisfy themselves as to the suitability of such information for their own particular use.