PRODUCT SAFETY DATA SHEET

This generic SDS is provided by MGS Ltd to give information to assist with material handling of the products listed which are according to the EC Regulation (EC) No 1907/2006 amended by 2020/878.

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SECTION 1: Identification of the substance / mixture and of the company / undertaking	
1.1 Product Identifier	
Product Name:	**Quartz Filter Media 0.5 mm – 1mm**
Synonyms / Trade Name:	Silica sand; crystalline silica sand; silicon dioxide; quartz sand; quartzite.
1.2 Relevant identified uses of the substance or mixture and uses advised against	
Recommended Use:	Monitoring and extraction wells
Restriction on Use:	N/A
Physical Properties:	Solid, granular in various colours (from white to brown/black)
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

This product does not meet the criteria for classification as hazardous as defined in the Regulation EC 1272/2008 and in Directive 67/548/EEC.

Depending on the type of handling and use (e.g.: grinding, drying), airborne respirable crystalline silica may be generated. Prolonged and/or massive inhalation of respirable crystalline silica dust may cause lung fibrosis, commonly referred to as silicosis.

Principal symptoms of silicosis are cough and breathlessness. Occupational exposure to respirable crystalline silica dust should be monitored and controlled.

This product should be handled with care to avoid dust generation.

Regulation EC 1272/2008: No classification
Classification EU (67/548/EEC): No classification
This product contains less than 1% respirable quartz.

2.2 Label elements

- Signal word: **None**
- Hazard statement: **None**
- Precautionary statement(s): **None**.

2.3 Other hazards

This product is an inorganic substance and does not meet the criteria for PBT or vPvB in accordance with Annex XIII of REACH.

SECTION 3: Composition / Information on Ingredients

3.1 Substances

Main constituent:	Quartz
Amount:	SiO2>98%
CAS:	14808-60-7
EINECS:	238-878-4

This product contains less than 1 of respirable quartz and therefore is NOT CLASSIFIED.

3.2 Mixtures

N/A

SECTION 4: First Aid Measures

4.1 Description of first aid measures

Inhalation:	Movement of the exposed individual from the area to fresh air is recommended.
Ingestion:	No first aid measures required.
Skin Contact:	No special first aid measures necessary.
Eye Contact:	Rinse with copious quantities of water and seek medical attention if irritation persists.

4.2 Most important symptoms and effects, both acute and delayed

No acute and delayed symptoms and effects are observed.

4.3 Indication of any immediate medical attention and special treatment needed

No specific actions are required.

SECTION 5: Fire Fighting Measures

5.1 Extinguishing media

No specific extinguishing media is needed.

5.2 Special hazards arising from the substance or mixture

Non-combustible. No hazardous thermal decomposition.

5.3 Advice for fire fighters

No specific fire-fighting protection is required.

SECTION 6: Accidental Release Measures

6.1 Personal precautions, protective equipment, and emergency procedures

Avoid airborne dust generation, wear personal protective equipment in compliance with national legislation.

6.2 Environmental precautions

No special requirements.

6.3 Methods and material for containment and cleaning up

Avoid dry sweeping and use water spraying or vacuum cleaning systems to prevent airborne dust generation. Wear personal protective equipment in compliance with national legislation.

6.4 Reference to other sections

See sections 8 and 13.

SECTION 7: Handling & Storage

7.1 Precautions for safe handling

Avoid airborne dust generation. Provide appropriate exhaust ventilation at places where airborne dust is generated. In case of insufficient ventilation, wear suitable respiratory protective equipment. Handle packaged products carefully to prevent accidental bursting.

Do not to eat, drink and smoke in work areas; wash hands after use; remove contaminated clothing and protective equipment before entering eating areas.

7.2 Conditions for safe storage, including any incompatibilities

Minimise airborne dust generation and prevent wind dispersal during loading and unloading. Keep containers closed and store packaged products so as to prevent accidental bursting.

7.3 Specific end use(s)

None.

SECTION 8: Exposure Controls / Personal Protection

8.1 Control parameters

Follow workplace regulatory exposure limits for all types of airborne dust (e.g. total dust, respirable dust, respirable crystalline silica dust). Workplace exposure limits from dust created by the product is: -
Silica, respirable crystalline (respirable fraction) – Long term exposure 0.1 mg.m3, 8 -hour TWA

8.2 Exposure controls

Appropriate engineering controls

Minimise airborne dust generation. Use process enclosures, local exhaust ventilation or other engineering controls to keep airborne levels below specified exposure limits. If user operations generate dust, fumes, or mist, use ventilation to keep exposure to airborne particles below the exposure limit. Apply organisational measures, e.g. by isolating personnel from dusty areas. Remove and wash soiled clothing.

Individual protection measures, such as personal protective equipment

Eye/face protection:	Wear safety glasses with side-shields in circumstances where there is a risk of penetrative eye injuries.	
Skin/hand protection:	Appropriate protection (e.g. gloves, barrier cream) is recommended for workers who suffer from dermatitis or sensitive skin. Wash hands at the end of each work session.	 
Respiratory protection:	In case of prolonged exposure to airborne dust concentrations, wear a respiratory protective equipment that complies with the requirements of European or national legislation.	

Environmental exposure controls

Avoid wind dispersal.

SECTION 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Aspect	Solid, granular, in various colours (from white to brown/black) sub-angular
Grain shape	Odourless
Odour	Not relevant
Odour threshold	5 – 8
pH	>1610°C
Melting point	2-3 g/cm^3
Relative density	Negligible
Solubilities – in water	Yes
Solubilities – in hydrofluoric acid	

9.2 Other information

No other information.

SECTION 10: Stability and Reactivity

10.1 Reactivity

Inert, not reactive.

10.2 Chemical stability

Chemically stable.

10.3 Possibility of hazardous reactions

No hazardous reactions.

10.4 Conditions to avoid

Not relevant.

10.5 Incompatible materials

No particular incompatibility.

10.6 Hazardous decomposition products

Not relevant

SECTION 11: Toxicological Information

11.1 Information on toxicological effects

Acute toxicity Skin corrosion / irritation Serious eye damage / irritation Respiratory or skin sensitisation Germ cell mutagenicity Carcinogenicity Reproductive toxicity STOT – single exposure STOT – repeated exposure Aspiration hazard	Based on available data, the classification criteria are not met

SECTION 12: Ecological Information

12.1 Toxicity

Not relevant.

12.2 Persistence and degradability

Not relevant.

12.3 Bio accumulative potential

Not relevant.

12.4 Mobility in soil

Negligible.

12.5 Results of PBT and vPvB assessment

Not relevant.

12.6 Other adverse effects

No specific adverse effects known.

SECTION 13: Disposal Considerations

13.1 Waste treatment methods

Waste from residues/unused products

Where possible, recycling is preferable to disposal. Can be disposed of in compliance with local regulations.

Packaging

Dust formation from residues in packaging should be avoided and suitable worker protection assured. Store used packaging in enclosed receptacles. Recycling and disposal of packaging should be carried out in compliance with local regulations.

SECTION 14: Transportation Information

14.1 UN number

Not relevant.

14.2 UN proper shipping name

Not relevant.

14.3 Transport hazard class(es)

ADR:	Not classified
IMDG:	Not classified
ICAO/IATA	Not classified
RID	Not classified

14.4 Packing group

Not relevant.

14.5 Environmental hazards

Not relevant.

14.6 Special precaution for user

No special precautions.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not relevant.

SECTION 15: Regulatory Information	
15.1 Safety, health, and environmental regulations / legislation specific for the substance or mixture	
International legislation/requirements:	
Regulation 1907/2006 (REACH):	exempted, according to art. 2, paragraph 7.
European Directive on Dangerous Substances 67/548:	This product is not classified as dangerous.
European Community Labelling:	European Community Labelling: No labelling required.
SARA 311/312:	Hazard Categories for SARA Section 311/312 Reporting: Chronic Health
SARA 313:	This Product Contains the Following Chemicals Subject to Annual Release Reporting Requirements Under the SARA Section 313 (40 CFR 372): None
CERCLA Section 103 Reportable Quantity:	None.
California Proposition 65:	This product contains substances regulated under California Proposition 65.
Toxic Substances Control Act:	All of the components of this product are listed on the EPA TSCA Inventory or exempt from premanufacture notification requirements.
European Inventory of Commercial Chemical Substances:	All of the components of this product are listed on the EINECS Inventory or exempt from notification requirements.
Canadian Environmental Protection Act:	All the components of this product are listed on the Canadian Domestic Substances List or exempt from notification requirements.
Canadian WHMIS Classification:	Not a controlled product
This MSDS has been prepared according to the criteria of the Controlled Products Regulation (CPR) and the MSDS contains all of the information required by the CPR.	
Japan METI:	All of the components of this product are existing chemical substances as defined in the Chemical Substance Control Law.
Australian Inventory of Chemical Substances:	All of the components of this product are listed on the AICS inventory or exempt from notification requirements.
Korea:	All of the components of this product are listed on the ECL inventory or exempt from notification requirements.
Philippines:	All of the components of this product are listed on the PICCS inventory or exempt from notification requirements.
15.2 Chemical safety assessment	
Exempted from REACH Registration in accordance with Annex V.7	

SECTION 16: Other Information

Indication of the changes made to the previous version of the SDS

In compliance with Regulation (EC) 1907/2006, Regulation (EC) 1272/2008 and Regulation (EC) 453/2010.

Training

Workers must be trained in the proper use and handling of this product as required under applicable Regulations.

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.