

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 1272/2008 and the Directive 67/548/EEG does not satisfy the classification criteria for toxic substances.



Doc No:	HS8 C42-155
Version:	MGS 3/JS
Date:	October 2023
Review Date:	October 2024

SECTION 1: Identification of the substance / mixture and of the company / undertaking

1.1 Product Identifier

Product Name: Quartz Filter Media 3mm – 6mm

Synonyms / Trade Name: Quartz

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

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

E-mail: 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

According to the European Community Regulation 1272/2008 and the directive 67/548/EEG the product does not satisfy the classification criteria for toxic substances.

It is possible that free crystalline silica can be released into the air following the use of the product (such as grinding and drying).

Chronic exposure to inhalable (<5µ) free crystalline silica can cause silicosis. It is preferable to prevent release of such material.

This product does not satisfy the Reach requirements.

2.2 Label elements

Since the product is not classified as dangerous, hazardous labelling is not required and there are no specific precautions.

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. 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.

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SECTION 3: Composition / Information on Ingredients

3.1 Substances

Chemical composition:	SiO ₂
Mineral composition:	Quartz Alpha
CAS:	14808-60-7
EINECS:	238-878-4

This product contains less than 1% inhalable quartz and consequently doesn't have a classification.

This product contains less than 1% inhalable quartz and consequently doesn't have a classification.

3.2 Mixtures

N/A

SECTION 4: First Aid Measures

4.1 Description of first aid measures

Skin contact

Not applicable.

Inhalation

Move to fresh air.

Eye Contact

Rinse with copious amounts of water and seek medical attention if irritation persists.

Ingestion

Non-toxic – consult a doctor

4.2 Most important symptoms and effects, both acute and delayed

Irritation of the eyes and the throat – cough.

4.3 Indication of any immediate medical attention and special treatment needed

No specific actions are required.

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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

If exhaust of dust, put on a face mask and if necessary and wear safety glasses.

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.

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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

Workplace exposure limits from dust created by the product is:-



Silica, respirable crystalline (respirable fraction) – Long term exposure 0.1 mg.m3

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.

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SECTION 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance	Solid, yellow, grey-white or multicoloured
Grain shape	Angular
Odour	Odourless
Odour threshold	Not relevant
pH	5 – 8 (400b/l H ₂ O at 20 degrees C)
Melting point	Ca. 1710 degrees C
Sintering point	Not applicable
Flash point	Not applicable
Velocity of vaporization	Not applicable
Flammability	Not applicable
Upper / lower limit of inflammation / explosion	Not applicable
Vapour pressure	Not applicable
Vapour density	Not applicable
Relative density	2.65 g/cm ³ (20 degrees C)
Solubilities – in water	Negligible
Solubilities – in hydrofluoric acid	Yes
Coefficient of dispensation n-octanol / water	Not applicable
Temperature of self-inflammation	Not applicable
Temperature of decomposition	Not applicable
Viscosity	Not applicable
Explosive properties	Not applicable
Oxidize properties	Not applicable

9.2 Other information

No other information.

SECTION 10: Stability and Reactivity

10.1 Reactivity

Inert, no reactive.

10.2 Chemical stability

Chemically stable.

10.3 Possibility of hazardous reactions

No hazardous reactions.

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

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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. The re-use of packaging is not recommended. Recycling and disposal of packaging should be carried out by an authorised waste management company.

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

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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

Chemical safety assessment

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: Labelling not required

European Inventory of Commercial Chemical Substances: All of the components of this product are listed on the EINECS. Inventory or exempt from notification requirements.

15.2 Chemical safety assessment

Exempted from REACH Registration in accordance with Annex V.7

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SECTION 16: Other Information

ADR/RID	European Agreements on the transport of Dangerous goods by Road/Railway
CAS	Chemical Abstracts Service
EG/EINECS	European Inventory of Existing Commercial chemical Substances
IATA	International Air Transport Association
IBC-Code	International standard for the safe carriage by sea of dangerous and noxious liquid chemicals in bulk
ICAO-TI	Technical Instructions for the safe transport of dangerous goods by air
IMGD	International Maritime Code for Dangerous Goods
MARPOL	Marine Pollution (International Convention for the Prevention of Marine Pollution from Ships)
PBT	Persistent, bio-accumulative, and toxic
REACH	Registration, Evaluation and Authorisation of Chemicals ((EG) 1907/2006)
STOT	Specific target organ toxicity
TRGS	Technical guideline for the handling of hazardous materials
vPvB	Very persistent, very bio-accumulative
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.