

Created: 25 March 2021

SAFETY DATA SHEET

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

1.1 Product identifier

- Datasheet Number: SP499-1 Version 1.0.0
- Product Name: EGFM (Eco Glass Filter Media) - Grade 1
- Product Description: Grade 1 EGFM (Eco Glass Filter Media). This recycled glass filtration media is a quality assured, secondary material produced specifically for the use in the treatment of potable water, municipal wastewater, industrial wastewater, filtration of swimming pool water and various aquaculture and fishing farm applications. Processed from post-consumer container glass, this product is manufactured in accordance with PAS 102: Specification for processed glass for selected secondary end markets.

1.2 Relevant identified uses of the substance or mixture and uses advised against

- Use of the substance/mixture: Filtration media
- Use advised against: No information available

1.3 Details of the supplier of the safety data sheet

- Name of Supplier: Total Pool Chemicals Ltd
- Address of Supplier: Unit 1-5 , Pool Bank Business Park
High Street, Tarvin
Chester
UK
CH3 8JH
- Telephone: +44 (0)1829 740290
- Email: sales@totalpool.co.uk

1.4 Emergency telephone number

- +44 (0)1829 740290 (Office Hours)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

- Classification (REGULATION (EC) No 1272/2008) [CLP/GHS]: Not classified
- Additional information: For full text of Hazard- and EU Hazard-statements: see section 16

2.2 Label elements

- Hazard pictograms: None
- Signal Word: None
- Hazard statements
None
- Precautionary statements
None
- Supplemental Hazard information (EU)
None

2.3 Other hazards

- Not a PBT according to REACH Annex XIII
- Not a vPvB according to REACH Annex XIII
- Does not contain any substances with endocrine disrupting properties

SECTION 3: Composition/information on ingredients

3.1 Substances

Chemical Name	CAS No.	EC No.	Classification (REGULATION (EC) No 1272/2008) [CLP/GHS]	SCL/ M-Factor/ ATE	REACH Registration Number	WEL/ OEL
Amorphous sodium silicate glass. Chemical composition (oxides of): Silicon 31.6% Sodium 11.1% Calcium 6.4% Aluminium 0.82% Potassium 0.574% Magnesium 0.496%	65997-17-3	266-046-0	Not classified	-	-	No

3.2 Mixtures

- Not applicable

SECTION 4: First aid measures

Rescuers should put on approved personal protective equipment (PPE) before administering first aid

Rescuers should take suitable precautions to avoid becoming casualties themselves

4.1 Description of first aid measures

- Contact with eyes
If substance has got into eyes, immediately wash out with plenty of water for several minutes
Irrigate eyes thoroughly whilst lifting eyelids
Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/attention.
- Contact with skin
Gently wash with plenty of soap and water.
If skin irritation occurs: Get medical advice/attention.
- Ingestion
Rinse mouth with water (do not swallow)
Give plenty of water to drink
Do NOT induce vomiting.
When in doubt or symptoms persist, seek medical attention
- Inhalation
Remove person to fresh air and keep comfortable for breathing.
Keep warm and at rest, in a half upright position. Loosen clothing
If breathing is difficult, oxygen should be given by a trained person
Apply artificial respiration only if patient is not breathing
IF exposed or concerned: Get medical advice/attention.

4.2 Most important symptoms and effects, both acute and delayed

- Contact with eyes
May cause eye irritation
- Contact with skin
May cause skin irritation
- Ingestion
The ingestion of significant quantities may cause gastro-intestinal disturbances

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SECTION 4: First aid measures (....)

- Inhalation
May irritate the mucous membranes

4.3 Indication of any immediate medical attention and special treatment needed

- Treat symptomatically

SECTION 5: Firefighting measures

5.1 Extinguishing media

- Suitable extinguishing media: Not flammable. In case of fire use extinguishing media appropriate to surrounding conditions
- Unsuitable extinguishing media: No information available

5.2 Special hazards arising from the substance or mixture

The material is a fully oxidised stable silicate and is unable to produce dust explosions.

5.3 Advice for firefighters

- Clothing for firefighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents
- If dust is formed, wear approved dust mask

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- No action shall be taken involving any personal risk or without suitable training
- Only trained and authorised personnel should carry out emergency response
- Personal precautions for non-emergency personnel: Do not breathe dust; Wash thoroughly after handling.
- Personal precautions for emergency responders: Avoid formation of dust; Do not breathe dust; Wear suitable protective clothing, eye/face protection and gloves; Wash thoroughly after handling.

6.2 Environmental precautions

- Do not empty into drains
- If contamination of drainage systems or water courses is unavoidable, immediately inform appropriate authorities

6.3 Methods and material for containment and cleaning up

- Spillage causes slippery surface
- Damp down to avoid dust generation
- Remove by mechanical means
- Collect as much as possible in clean container for reuse or disposal
- Seal containers and label them
- Remove contaminated material to safe location for subsequent disposal
- Seek expert advice for removal and disposal of all contaminated materials and wastes

6.4 Reference to other sections

- See section(s): 7, 8 & 13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

- Minimize dust generation and accumulation
- Provide appropriate exhaust ventilation at places where airborne dust is generated

SECTION 7: Handling and storage (....)

- No respiratory protection is needed if ventilation/extraction is adequate, otherwise wear approved dust mask
- Wear protective clothing as per section 8
- Do not eat, drink or smoke when using this product.
- Use good personal hygiene practices
- Wash thoroughly after handling.
- Eyewash bottles should be available
- Contaminated clothing should be laundered before reuse

7.2 Conditions for safe storage, including any incompatibilities

- Keep in a cool, dry, well ventilated place
- Keep away from food, drink and animal feedingstuffs
- Incompatible with hydrofluoric acid, fluorosilicic acid, phosphoric acid and hot strong alkaline solutions

7.3 Specific end use(s)

- Filtration media

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

- If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment.
Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace exposure - Measurement of exposure by inhalation to chemical agents - Strategy for testing compliance with occupational exposure limit values). European Standard EN 14042 (Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents). European Standard EN 482 (Workplace exposure. General requirements for the performance of procedures for the measurement of chemical agents). Reference to national guidance documents for methods for the determination of hazardous substances will also be required.
- All components are non-crystalline/amorphous
- The UK HSE (EH40) recommends the following limits for dusts: 10 mg/m³ (8hr TWA) total inhalable dust; 4 mg/m³ (8hr TWA) total respirable dust

8.2 Exposure controls

- Selection and use of personal protective equipment should be based on a risk assessment of exposure potential
- Engineering controls
Ensure adequate ventilation
Provide appropriate exhaust ventilation at places where airborne dust is generated
- Respiratory protection
No respiratory protection is needed if ventilation/extraction is adequate, otherwise wear approved dust mask
Use type FFP1 or FFP2 (EN 143) dust masks
- Eye/face protection
Wear safety glasses approved to standard EN 166.
- Skin protection
Wear suitable protective clothing
Wear protective gloves. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and standard EN 374.
The selection of a suitable glove depends on work conditions and whether the product is present on its own or in combination with other substances. Breakthrough time is dependent on the characteristics of the brand of glove used and the supplier should be consulted.
PVC or rubber gloves are recommended

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SECTION 8: Exposure controls/personal protection (....)

- Thermal hazards
Not applicable
- Hygiene measures
Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air)
Do not eat, drink or smoke when using this product.
Use good personal hygiene practices
Wash thoroughly after handling.
Contaminated work clothing should not be allowed out of the workplace.
Contaminated clothing should be laundered before reuse
Ensure eyewash stations and safety showers are nearby
- Environmental exposure controls
Do not empty into drains



SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Physical state: Solid. Granulated free flowing particulates.
- Colour: Green (but may also contain small levels of other coloured glass)
- Odour: None
- Melting point/freezing point: Approximately 730 °C
- Boiling point or initial boiling point and boiling range: Not applicable
- Flammability: Not flammable
- Lower and upper explosion limit: Not applicable
- Flash point: Not applicable
- Auto-ignition temperature: No information available
- Decomposition temperature: No information available
- pH: Not applicable
- Kinematic viscosity: Not applicable
- Solubility: Negligible in water
- Partition coefficient n-octanol/water (log value): No information available
- Vapour pressure: Not applicable
- Density and/or relative density: 2.5 g/m³
- Relative vapour density: Not applicable
- Particle characteristics: Shape: Particle shape ratio > 5:1, 0%
Particle Size Distribution: 1.0 mm—0.5 mm. 95.5% passing 1.0mm;
0.7% passing 0.5mm

9.2 Other information

- Moisture Content: < 0.02%
- Hardness: 6-7 (Mohs scale)

SECTION 10: Stability and reactivity

10.1 Reactivity

- No information available

10.2 Chemical stability

SECTION 10: Stability and reactivity (....)

- Considered stable under normal conditions
- 10.3 Possibility of hazardous reactions
 - No information available
- 10.4 Conditions to avoid
 - No information available
- 10.5 Incompatible materials
 - Incompatible with hydrofluoric acid, fluorosilicic acid, phosphoric acid and hot strong alkaline solutions
- 10.6 Hazardous decomposition products
 - No information available

SECTION 11: Toxicological information

- 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008
- Acute Toxicity
 - No LD₅₀ or LC₅₀ data available
 - Substance is inorganic. The physicochemical properties suggest a low potential to cross biological membranes. Thus, the substance has a low potential for absorption into the body through the skin, the airways and the gastrointestinal tract.
 - 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
 - No evidence of mutagenic effects
 - Carcinogenicity
 - No evidence of carcinogenic effects
 - Reproductive toxicity
 - No evidence of reproductive effects
 - Specific target organ toxicity (STOT) - single exposure
 - Based on available data, the classification criteria are not met
 - Specific target organ toxicity (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
 - Contact with eyes
 - May cause eye irritation
 - Contact with skin
 - May cause skin irritation
 - Ingestion
 - The ingestion of significant quantities may cause gastro-intestinal disturbances
 - Inhalation
 - May irritate the mucous membranes
- 11.2 Information on other hazards

SECTION 11: Toxicological information (....)

- Does not contain any substances with endocrine disrupting properties

SECTION 12: Ecological information

12.1 Toxicity

- Substance is inorganic, chemically inert and highly insoluble in water, and also highly stable to hydrolysis. It is considered harmless to the environment and to environmental organisms.

12.2 Persistence and degradability

- Not applicable; inorganic

12.3 Bioaccumulative potential

- Low bioaccumulation potential

12.4 Mobility in soil

- This substance is poorly absorbed onto soils or sediments

12.5 Results of PBT and vPvB assessment

- Not a PBT according to REACH Annex XIII
- Not a vPvB according to REACH Annex XIII

12.6 Endocrine disrupting properties

- No information available

12.7 Other adverse effects

- No information available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

- Disposal should be in accordance with local, state or national legislation
- Do not discharge into drains or the environment, dispose to an authorised waste collection point
- This substance can be disposed of as a non-toxic/inactive material in approved landfill sites in accordance with local regulations.

13.2 Classification

- The waste must be identified according to the List of Wastes (2000/532/EC)
- Hazardous Property Code(s): None assigned

SECTION 14: Transport information

Not classified as hazardous for transport

14.1 UN number or ID number

- UN No.: Not applicable

14.2 UN proper shipping name

- Proper Shipping Name: Not applicable

14.3 Transport hazard class(es)

- Hazard Class: Not applicable

14.4 Packing group

- Packing Group: Not applicable

SECTION 14: Transport information (....)

14.5 Environmental hazards

- Not applicable

14.6 Special precautions for user

- No information available

14.7 Maritime transport in bulk according to IMO instruments

- Not applicable

14.8 Road/Rail (ADR/RID)

- Proper Shipping Name: Not applicable
- ADR UN No.: Not applicable
- ADR Hazard Class: Not applicable
- ADR Packing Group: Not applicable
- Tunnel Code: Not applicable

14.9 Sea (IMDG)

- Proper Shipping Name: Not applicable
- IMDG UN No.: Not applicable
- IMDG Hazard Class: Not applicable
- IMDG Pack Group.: Not applicable

14.10 Air (ICAO/IATA)

- Proper Shipping Name: Not applicable
- ICAO UN No.: Not applicable
- ICAO Hazard Class: Not applicable
- ICAO Packing Group: Not applicable

SECTION 15: Regulatory information

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

- This safety data sheet is provided in compliance with REACH Regulation (EC) No 1907/2006 (as amended by Regulation (EU) 2020/878) and UK REACH
- The GB Classification, Labelling and Packaging Regulation (GB CLP) applies in Great Britain
- Regulation (EC) No. 1272/2008 on the classification, labelling and packaging of substances and mixtures (CLP Regulation) applies in Europe

15.2 Chemical safety assessment

- No information available

SECTION 16: Other information

The statements made herein are based on our best present experience and are intended to describe product safety requirements. They should not therefore be considered as a warranty of specific properties.

Sources of data: Information from published literature and supplier safety data sheets

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

- Not classified as hazardous for supply

Text not given with phrase codes where they are used elsewhere in this safety data sheet:

- None assigned



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SECTION 16: Other information (....)

Acronyms

- CAS: Chemical Abstracts Service
- EC: European Community
- GHS: Globally Harmonised System
- LC₅₀: Lethal Concentration, 50%
- LD₅₀: Lethal Dose, 50%
- OEL: Occupational Exposure Limit
- PBT: Persistent, Bioaccumulative and Toxic
- REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals
- SCL: Specific Concentration Limit
- vPvB: very Persistent and very Bioaccumulative
- WEL: Workplace Exposure Limit

--- end of safety datasheet ---
