

SAFETY DATA SHEET**PRODUCT NAME:** GBR GraVia Silicon**PRODUCT CODE:** GBR GraVia Silicon**1.IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY****1.1 Product Identifier****TRADE NAME** GBR GraVia Silicon
OTHER NAMES N/A**1.2 Relevant identified uses of the substance or mixture and uses advised against****IDENTIFIED USES** Turf biostimulant**1.3 Details of the supplier of the safety data sheet****SUPPLIER:** GBR TECHNOLOGY LTD
UNIT 42, EASTER PARK
BENYON ROAD
SILCHESTER
READING, BERKS RG7 2PQ
Tel: 0118 9820567 Fax: 0118 9820590**Email address of person responsible** info@gbritech.co.uk**1.4 Emergency telephone number****SUPPLIER:** 0118 9820567
HOURS OF OPERATION: Monday to Friday 0830 – 17:00 HRS
INFORMATION LIMITATIONS: Not applicable**2. HAZARD IDENTIFICATION****2.1 Classification of the substance or mixture****PRODUCT DEFINITION:** MixtureClassification according to Regulation (EC) No. 1272/2008 [CLP/GHS]**Physical hazards** Not classified
Health Hazards Reproductive toxicity – Category 1B
Environmental hazards: Not classified**2.2 Label elements****SIGNAL WORD:** Danger
HAZARD STATEMENTS: H360: May damage fertility or the unborn child

Hazard pictograms

GHS08: Serious health hazard



Precautionary statement

P201 Obtain special instruction before use
P202 Do not handle until all safety precautions have been read and understood

Response

P281 Use personal protective equipment as required
P308+P313 If exposed or concerned: Get medical advice/attention.

Storage

P405 Store locked up

Disposal

P501 Dispose of contents and container in accordance with local and national regulations

3. COMPOSITION/INFORMATION ON INGREDIENTS

SUBSTANCE/MIXTURE:

Mixture

Hazardous ingredients:

Chemical name	CAS	CLP Classification	%
Diatomaceous earth naturally containing <0.1% crystalline silica (quartz) [CAS 14808-60-7]	61790-53-2	Eye irritant 2: H319 Harmful if swallowed: H302 Respiratory irritation: H335	20-30
Boric acid	10043-35-3	Repro tox 1B: H360	<4%

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, or have been assigned a workplace exposure limit and hence require reporting in this section.

4. FIRST AID MEASURES

4.1 Description of first aid measures

Eye contact: Remove contact lenses. Rinse immediately with plenty of water and flush for 15 minutes, holding eyelids apart. Obtain medical attention if irritation persists.

Inhalation: Move to fresh air. Artificial respiration and/or oxygen may be necessary. Seek medical advice if irritation or breathing difficulty occurs.

Skin contact: In case of contact, remove all contaminated clothing and immediately wash skin with plenty of soap and water. Seek medical advice if redness or irritation occurs.

Ingestion: Wash out mouth thoroughly with water and seek medical attention if patient feels unwell.

4.2 Most important symptoms and effects, both acute and delayed

See Section 2

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments: No specific treatment.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: Use dry chemical, CO₂, water spray (fog) or foam.
Unsuitable extinguishing media: No information available.

5.2 Specific hazards arising from the substance or mixture

Hazardous combustion products: Decomposition to emit toxic vapours.

5.3 Advice for firefighters

Further information: Fire fighters should wear appropriate protective equipment and self-contained positive pressure breathing apparatus (SCBA).

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing spray mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on personal protective equipment (see section 8).

6.2 Environmental Precautions: Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.

6.3 Methods and Materials for containment and cleaning up

Methods for cleaning up: Absorb spillage with inert, non-combustible material: sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Flush contaminated area with plenty of water. Collect and place in suitable waste disposal containers and seal securely. For waste disposal, see Section 13.

6.4. Reference to other sections: For personal protection see section 8, waste disposal, section 13

7. HANDLING AND STORAGE

The information in this section contains generic advice and guidance. The list of identified uses in section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

7.1 Precautions for safe handling

Advice on safe handling: Avoid contact with skin and eyes, do not inhale spray mist. Do not eat or drink whilst using the product.

7.2 Conditions for safe storage, including any incompatibilities:

Requirements for storage	Keep container tightly closed, and store only in original container in cool, dry conditions away from direct sunlight.
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7.3 Specific end use(s) As identified in Section 1.2

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

The information in this section contains generic advice and guidance. The list of identified uses in section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

8.1 Control Parameters

Ingredient comments	No exposure limits known for ingredient(s).
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8.2 Exposure Controls

Engineering Controls:	No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne spray mist
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Personal Protective Equipment

Eye Protection:	Safety glasses/chemical safety goggles
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Hand Protection:

Material:	Neoprene, nitrile, polyvinyl alcohol (PVA), Viton®
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Remarks:	Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
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Skin and body protection:	Impermeable protective clothing
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Respiratory Protection:	SCBA should be made available in case of emergency.
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Protective measures:	Wash hands and face before breaks and immediately after handling the product. Wash contaminated clothing before re-use. Ensure that eyewash station and safety shower are proximal to the work-station location. Appropriate techniques should be used to remove contaminated clothing. Make eyewash station available.
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Environmental exposure	Emissions from ventilation or work process equipment should be control checked to ensure they comply with the requirements of environmental protection legislation.
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9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance

Physical State:	Viscous liquid
Colour:	Grey – light brown
Odour:	Citrus like
Odour Threshold:	Not available
pH:	5-6
Relative Density:	1.2
Solubility (ies):	Soluble.

- 9.2 Other Information
No Additional Information

10. STABILITY AND REACTIVITY

- 10.1 Reactivity: Stable under normal storage and usage conditions
10.2 Chemical Stability: Stable under normal storage and usage conditions
10.3 Possibility of hazardous reactions: Strong alkalis and strong oxidising agents.
Under normal conditions of storage and use, hazardous reactions will not occur.
10.4 Conditions to Avoid: Excessive heat for prolonged periods of time. Flames and sources of ignition.
10.5 Incompatible Materials: Strong acids.
10.6 Hazardous decomposition products: None known

11. TOXICOLOGICAL INFORMATION

- 11.1 Information on Toxicological effects

Symptoms / routes of exposure

- Skin contact: There may be slight irritation and redness at the site of contact.
Eye contact: There may be irritation and redness – flush with plenty of water
Ingestion: There may be soreness and redness of the mouth and throat, and discomfort if swallowed.
Inhalation: Exposure to spray mist may cause respiratory system irritation

Acute toxicity – oral

Notes (oral LD₅₀) No data available for this product.
Boric acid LD₅₀ >2000 mg/kg, Oral, rat

Chronic: Diatomaceous earth component of this product is predominantly non-hazardous amorphous form of silica. This can contain small quantities (<0.1%) of crystalline silica. This is classified as carcinogenic to humans when inhaled as a respirable dust. However, this is an unlikely exposure route as dust will not be generated unless the liquid product has been allowed to dry out. Avoid inhalation of spray mist.

12. ECOLOGICAL INFORMATION

Ecotoxicity No data available

- 12.1 Toxicity
No data available
- 12.2 Persistence and degradability
No data available
- 12.3 Bioaccumulative Potential
No data available
- 12.4 Mobility in Soil
No data available
- 12.5 Results of PBT and vPvB assessment
PBT: Not classified as a PBT substance
vPvB: Not classified as a vPvB substance
- 12.6 Other adverse effects: Not Available.

13. DISPOSAL CONSIDERATIONS

The information in this section contains generic advice and guidance. The list of identified uses in section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

13.1 Waste Treatment Methods

Methods of Disposal: When handling waste, the safety precautions applying to handling of the product should be considered. Do not puncture or incinerate, even when empty.

Hazardous Waste: Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

14. TRANSPORT INFORMATION

This product is not classified for transport

15. REGULATORY INFORMATION

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

None

15.2 Chemical Safety Assessment: No data available

16. OTHER INFORMATION

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 1272/2008.

Key Literature references and sources for data:

Available upon request

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To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are only hazards that exist.