

## SAFETY DATA SHEET

### AQUA-ZORB GRANULAR

Commission Regulation (EU) No 2015/830 of 28 May 2015.

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

##### 1.1. Product identifier

Product name AQUA-ZORB GRANULAR

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

Uses advised against No specific uses advised against are identified. Refer to Product Specification for application data.

##### 1.3. Details of the supplier of the safety data sheet

Supplier Turftech International Ltd  
5 Cable Court, Pittman Way  
Fulwood, Preston  
Lancashire  
PR2 9YW, UK  
+44 (0)1772 704433  
+44 (0)1772 704477  
info@turftech.co.uk

##### 1.4. Emergency telephone number

Emergency telephone +44 (0) 161 7751888 (Office hours only)

#### SECTION 2: Hazards identification

##### 2.1. Classification of the substance or mixture

###### Classification (EC 1272/2008)

Physical hazards Not Classified  
Health hazards Not Classified  
Environmental hazards Not Classified

##### 2.2. Label elements

Hazard statements Not a hazardous substance or mixture according to CLP Regulation (EC) No. 1272/2008.  
EUH208 Contains 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.

##### 2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

#### SECTION 3: Composition/information on ingredients

##### 3.2. Mixtures

Composition comments None of the ingredients are required to be listed. No classified ingredients, or those having occupational exposure limits, present above the levels of disclosure.

## AQUA-ZORB GRANULAR

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

General information	No specific recommendations.
Inhalation	No specific recommendations.
Ingestion	No specific recommendations.
Skin contact	No specific recommendations.
Eye contact	No specific recommendations.
Protection of first aiders	No specific requirements are anticipated under normal conditions of use.

#### 4.2. Most important symptoms and effects, both acute and delayed

General information	The product is considered to be a low hazard under normal conditions of use.
Inhalation	No specific symptoms known.
Ingestion	No specific symptoms known.
Skin contact	No specific symptoms known.
Eye contact	No specific symptoms known.

#### 4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor	Treat symptomatically.
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### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media	Extinguish with the following media: Foam. Water spray, fog or mist.
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.

#### 5.2. Special hazards arising from the substance or mixture

Specific hazards	In case of fire: Containers can burst violently or explode when heated, due to excessive pressure build-up.
Hazardous combustion products	Carbon monoxide (CO). Nitrous gases (NO <sub>x</sub> ).

#### 5.3. Advice for firefighters

Protective actions during firefighting	In case of fire: Cool containers exposed to flames with water until well after the fire is out.
Special protective equipment for firefighters	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Use protective equipment appropriate for surrounding materials.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	Keep unnecessary and unprotected personnel away from the spillage. Take care as floors and other surfaces may become slippery.
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#### 6.2. Environmental precautions

Environmental precautions	The product is not expected to be toxic to aquatic organisms.
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## AQUA-ZORB GRANULAR

### 6.3. Methods and material for containment and cleaning up

<b>Methods for cleaning up</b>	Stop leak if safe to do so. To prevent release, place container with damaged side up. Take care as floors and other surfaces may become slippery. Small Spillages: Wipe up with an absorbent cloth and dispose of waste safely. Large Spillages: Absorb spillage with sand or other inert absorbent. Collect and place in suitable waste disposal containers and seal securely. Residues and empty containers should be taken care of as hazardous waste according to local and national provisions. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of the local water authority. For waste disposal, see Section 13.
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### 6.4. Reference to other sections

<b>Reference to other sections</b>	For personal protection, see Section 8. For waste disposal, see Section 13.
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## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

<b>Usage precautions</b>	For professional users only. Protect from freezing and direct sunlight. Handle all packages and containers carefully to minimise spills. Keep containers upright. Protect containers from damage. Do not empty into drains. Do not eat, drink or smoke when using this product. Wash contaminated skin thoroughly after handling. No specific requirements are anticipated under normal conditions of use.
<b>Advice on general occupational hygiene</b>	Do not eat, drink or smoke when using this product. No specific hygiene procedures recommended but good personal hygiene practices should always be observed when working with chemical products. No specific requirements are anticipated under normal conditions of use.

### 7.2. Conditions for safe storage, including any incompatibilities

<b>Storage precautions</b>	Store in accordance with local regulations. Store in a closed container. Maintain air gap between stacks/pallets. Protect containers from damage. Keep away from food, drink and animal feeding stuffs. Protect from freezing and direct sunlight. Refer to the "storage and shelf life information" in the product specification for storage advice.
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### 7.3. Specific end use(s)

<b>Specific end use(s)</b>	The identified uses for this product are detailed in Section 1.2.
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## SECTION 8: Exposure controls/Personal protection

### 8.1. Control parameters

### 8.2. Exposure controls

#### Protective equipment



<b>Appropriate engineering controls</b>	No specific ventilation requirements.
<b>Eye/face protection</b>	Wear chemical splash goggles.
<b>Hand protection</b>	The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. When used with mixtures, the protection time of gloves cannot be accurately estimated. Considering the data specified by the glove manufacturer, check during use that the gloves are retaining their protective properties and change them as soon as any deterioration is detected. Frequent changes are recommended.

## AQUA-ZORB GRANULAR

<b>Other skin and body protection</b>	Wear protective clothing.
<b>Hygiene measures</b>	No specific hygiene procedures recommended but good personal hygiene practices should always be observed when working with chemical products.
<b>Respiratory protection</b>	No specific requirements are anticipated under normal conditions of use.
<b>Thermal hazards</b>	No specific requirements are anticipated under normal conditions of use.
<b>Environmental exposure controls</b>	Residues and empty containers should be taken care of as hazardous waste according to local and national provisions.

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

<b>Appearance</b>	Granules.
<b>Colour</b>	Grey.
<b>Odour</b>	Mild. Characteristic.
<b>Odour threshold</b>	Not available.
<b>pH</b>	pH (concentrated solution): 6.5 (+/-1)
<b>Melting point</b>	Not available.
<b>Initial boiling point and range</b>	Not available.
<b>Flash point</b>	150°C
<b>Evaporation rate</b>	Not available.
<b>Evaporation factor</b>	Not available.
<b>Flammability (solid, gas)</b>	Not available.
<b>Upper/lower flammability or explosive limits</b>	Not available.
<b>Other flammability</b>	Not available.
<b>Vapour pressure</b>	Not available.
<b>Vapour density</b>	Not available.
<b>Relative density</b>	Not available.
<b>Bulk density</b>	Not available.
<b>Partition coefficient</b>	Not available.
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition Temperature</b>	Not available.
<b>Viscosity</b>	Not available.
<b>Explosive properties</b>	There are no chemical groups present in the product that are associated with explosive properties.
<b>Explosive under the influence of a flame</b>	Not considered to be explosive.
<b>Oxidising properties</b>	There are no chemical groups present in the product that are associated with oxidising properties.

## AQUA-ZORB GRANULAR

### 9.2. Other information

Other information No information required.

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

Reactivity There are no known reactivity hazards associated with this product.

#### 10.2. Chemical stability

Stability Stable at normal ambient temperatures and when used as recommended.

#### 10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Under normal conditions of storage and use, no hazardous reactions will occur.

#### 10.4. Conditions to avoid

Conditions to avoid No specific requirements are anticipated under normal conditions of use.

#### 10.5. Incompatible materials

Materials to avoid No specific requirements are anticipated under normal conditions of use.

#### 10.6. Hazardous decomposition products

Hazardous decomposition products No known hazardous decomposition products.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Toxicological effects Information given is based on data of the components and of similar products.

##### Acute toxicity - oral

Notes (oral LD<sub>50</sub>) Based on available data the classification criteria are not met.

ATE oral (mg/kg) 6,541.18

##### Acute toxicity - dermal

Notes (dermal LD<sub>50</sub>) Based on available data the classification criteria are not met.

##### Acute toxicity - inhalation

Notes (inhalation LC<sub>50</sub>) Based on available data the classification criteria are not met.

##### Skin corrosion/irritation

Skin corrosion/irritation Based on available data the classification criteria are not met.

##### Serious eye damage/irritation

Serious eye damage/irritation Based on available data the classification criteria are not met.

##### Respiratory sensitisation

Respiratory sensitisation Based on available data the classification criteria are not met.

##### Skin sensitisation

Skin sensitisation Based on available data the classification criteria are not met.

##### Germ cell mutagenicity

Genotoxicity - in vitro Based on available data the classification criteria are not met.

Genotoxicity - in vivo Based on available data the classification criteria are not met.

## AQUA-ZORB GRANULAR

### Carcinogenicity

**Carcinogenicity** Based on available data the classification criteria are not met.

### Reproductive toxicity

**Reproductive toxicity - fertility** Based on available data the classification criteria are not met.

**Reproductive toxicity - development** Does not contain any substances known to be toxic to reproduction.

### Specific target organ toxicity - single exposure

**STOT - single exposure** Based on available data the classification criteria are not met.

### Specific target organ toxicity - repeated exposure

**STOT - repeated exposure** Based on available data the classification criteria are not met.

### Aspiration hazard

**Aspiration hazard** Based on available data the classification criteria are not met.

## SECTION 12: Ecological information

**Ecotoxicity** Not regarded as dangerous for the environment.

### 12.1. Toxicity

**Toxicity** Based on available data the classification criteria are not met.

### 12.2. Persistence and degradability

**Persistence and degradability** No data available.

### 12.3. Bioaccumulative potential

**Partition coefficient** Not available.

### 12.4. Mobility in soil

**Mobility** No data available.

### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment** This product does not contain any substances classified as PBT or vPvB.

### 12.6. Other adverse effects

**Other adverse effects** Not known.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**General information** The generation of waste should be minimised or avoided wherever possible. Disposal of this product, process solutions, residues and by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any local authority requirements.

**Disposal methods** Dispose of waste via a licensed waste disposal contractor.

**Waste class** The waste code classification is to be carried out according to the European Waste Catalogue (EWC).

## SECTION 14: Transport information

**General** The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

## AQUA-ZORB GRANULAR

### 14.1. UN number

Not applicable.

### 14.2. UN proper shipping name

Not applicable.

**Proper shipping name** NOT DANGEROUS FOR TRANSPORT  
(ADR/RID)

### 14.3. Transport hazard class(es)

No transport warning sign required.

### 14.4. Packing group

Not applicable.

### 14.5. Environmental hazards

**Environmentally hazardous substance/marine pollutant**

No.

### 14.6. Special precautions for user

Not applicable.

### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

**Transport in bulk according to** Not applicable.

**Annex II of MARPOL 73/78  
and the IBC Code**

## SECTION 15: Regulatory information

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

<b>National regulations</b>	Control of Substances Hazardous to Health Regulations 2002 (as amended). EH40/2005 Workplace exposure limits. Health and Safety at Work etc. Act 1974 (as amended).
<b>EU legislation</b>	Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended). Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended). Commission Regulation (EU) No 2015/830 of 28 May 2015. Commission Directive 2000/39/EC of 8 June 2000 establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work (as amended).
<b>Guidance</b>	Workplace Exposure Limits EH40.
<b>Restrictions (Annex XVII Regulation 1907/2006)</b>	This product contain no substances ( $\geq 0.1$ % w/w) of very high concern (SVHC).
<b>CMR Substances</b>	Substances contained in this product are not classified as carcinogenic, mutagenic, or toxic for reproduction (CMR substances).
<b>Recommendation on the definition of nanomaterial (2011/696/EU)</b>	This product does not contain nanomaterial.

## AQUA-ZORB GRANULAR

**Swiss Ordinance 814.018** This product does not contain Volatile Organic Compounds (VOC's) as defined in 814.018 Ordinance on the Incentive Tax on Volatile Organic Compounds (OVOC).

**Pesticides (EC 1107/2009) / (EU) 528/2012) Biocidal Products Regulation (BPR)** Does not contain substances regulated as biocides. Does not contain substances regulated as pesticides.

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

## SECTION 16: Other information

**Abbreviations and acronyms used in the safety data sheet**

ATE: Acute Toxicity Estimate.  
 ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.  
 CAS: Chemical Abstracts Service.  
 DNEL: Derived No Effect Level.  
 GHS: Globally Harmonized System.  
 IATA: International Air Transport Association.  
 IMDG: International Maritime Dangerous Goods.  
 UVCB - Unknown or variable composition, complex reaction products or Biological materials.  
 Kow: Octanol-water partition coefficient.  
 LC<sub>50</sub>: Lethal Concentration to 50 % of a test population.  
 LD<sub>50</sub>: Lethal Dose to 50% of a test population (Median Lethal Dose).  
 PBT: Persistent, Bioaccumulative and Toxic substance.  
 PNEC: Predicted No Effect Concentration.  
 REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006.  
 RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail.  
 SVHC: Substances of Very High Concern.  
 vPvB: Very Persistent and Very Bioaccumulative.  
 IARC: International Agency for Research on Cancer.  
 cATpE: Converted Acute Toxicity Point Estimate.  
 BCF: Bioconcentration Factor.  
 BOD: Biochemical Oxygen Demand.  
 LOAEC: Lowest Observed Adverse Effect Concentration.  
 LOAEL: Lowest Observed Adverse Effect Level.  
 NOAEC: No Observed Adverse Effect Concentration.  
 EC<sub>50</sub>: 50% of maximal Effective Concentration.  
 NOAEL: No Observed Adverse Effect Level.  
 NOEC: No Observed Effect Concentration.  
 LOEC: Lowest Observed Effect Concentration.  
 UN: United Nations.  
 IBC: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk (International Bulk Chemical Code).

**General information** Only trained personnel should use this material.

**Revision comments** NOTE: Lines within the margin indicate significant changes from the previous revision.

**Revision date** 05/12/2019

**Revision** 3

**Supersedes date** 28/02/2013

**SDS number** 330



## AQUA-ZORB GRANULAR

<b>SDS status</b>	Approved.
<b>Hazard statements in full</b>	EUH208 Contains 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.

The above information is believed to be correct to the best of our knowledge and belief at the date of its publication but does not purport to be all inclusive and shall be used only as a guidance for safe use, storage, handling, transportation and disposal. Although certain hazards are detailed in this document, we cannot guarantee that these are the only hazards that exist. The information mentioned on Safety Data Sheet relates to the specific material designated and may not be valid for such material used in combination with any other material or in any process. Material should be also handled only by those who have been fully trained in safety and chemical handling procedures. Libra Speciality Chemicals Ltd shall not be held liable for any damage resulting from handling or from contact with the above product.