


MATERIAL SAFETY DATA SHEET

Date prepared: 11 August 2017
Date revised: (first edition)

1. Identification of the Substance/Mixture and of the Company/Undertaking

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|-----|---------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1.1 | Product Identifier: | Shogun Sumo Active Boost |
| 1.2 | Relevant uses of the substance or mixture and uses advised against: | Supplied for use as a biostimulant |
| 1.3 | Details of the supplier of the safety data sheet: | Aqualabs Ltd.
Unit 3A
Parkway One
Parkway Drive
Sheffield
S9 4WU
Contact: Callie Seaman
Phone number: +44 (0) 114 2445392
Email: callie.seaman@aqualabs-uk.com |
| 1.4 | Emergency phone number | +44 (0) 114 2445392 (Operating hours 10am to 5pm) |

2. Hazards Identification

- | | |
|----------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Classification of the substance or mixture | CLASSIFICATION according to Regulation EC 1272/2008 Classification, Labelling and Packaging
Skin Sens. 1
H317: May cause an allergic skin reaction
Primary Hazard: May cause an allergic skin reaction |
| 2.2 Label Elements | Shogun Sumo Active Boost
(Contains preservative: 1,2-benzisothiazol-3(2H)-one) |
|  Signal word: Warning | Hazard Statements:
H317 May cause an allergic skin reaction
Precautionary Statements
P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P280 Wear protective gloves.
P302 + P352 IF ON SKIN: Wash with plenty of water
P333 + P313 If skin irritation or rash occurs: Get medical advice/attention
P501 Dispose of contents/container in accordance with local/national regulation. |
| 2.3 Other Hazards | Mixture not classed as PBT or vPvB according to available information. |






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3. Composition / information on ingredients

3.2 Mixtures

3.3 Hazardous components

Chemical Name	CAS-No./ EINECS-No.	Annex Index or REACH number	Symbol(s) According to 1272/2008:	Classification According to 1272/2008:	Concentrations [%]
1,2-benzisothiazol-3(2H)- one	2634-33-5 220-120-9	Index No: 613-088-00-6	GHS05  GHS07  GHS09 	Signal word: Danger Acute Tox. 4: H302 Skin Irrit. 2: H315 Eye Dam. 1: H318 Skin Sens. 1: H317 Aquatic Acute 1: H400 Aquatic chronic 2: H411 (SCL:Skin Sens. 1; H317: C ≥ 0,05 %)	≥ 0,05 - < 0.1
Mono ethylene glycol	107-21-1 203-473-3	Index No: 603-027-00-1	GHS07  GHS08 	Signal word: Warning STOT RE. 2: H373 Acute Tox. 4: H302	<1,0

The full hazard information for individual components if not displayed in section 2 or 3 are displayed in Section 16.

4. First aid measures

4.1 Description of first aid measures

4.1.1 Inhalation

4.1.2 Skin & Eye exposure

4.1.3 Ingestion

4.2 Most important symptoms and effects, both acute and delayed

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

Remove from source of exposure to fresh air; seek medical attention.

Skin: Drench with water. Remove any contaminated clothing and launder before re-use. Seek medical attention if symptoms persist or develop.

Eyes: Rinse cautiously for several minutes, Remove contact lenses, if present and easy to do, rinse with clean water for 15 minutes. Seek medical attention if symptoms persist or develop.

Do not induce vomiting. Wash out mouth with water and give water to drink. Seek medical attention if symptoms persist or develop.

May cause an allergic skin reaction

Information not available

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5. Fire fighting measures

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|-----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 5.1 Extinguishing media | Use Foam, carbon dioxide, dry powder, sand. The mixture is not classified as flammable as such extinguishing media should be chosen as appropriate for surrounding materials. |
| 5.2 Special Hazards arising from the substance or mixture | Possible irritant fumes arising from combustion |
| 5.3 Advice for fire-fighters | Cool down containers/equipment exposed to heat with a water spray. Contain spread of extinguishing fluids (these fluids may be hazardous for the environment). Wear complete protective clothing and self-contained breathing apparatus |

6. Accidental release measures

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|-------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 6.1 Personal precautions, protective equipment and emergency procedures | The following precautions are considered to be good practice when using any chemical material irrespective of their classification unless otherwise specified.
Use personal protective equipment
-appropriate coveralls and gloves
-eye/face protection
-appropriate respirator
Avoid contact with skin and eyes |
| 6.2 Environmental Precautions | Do not allow to enter storm drains or water courses. If this product enters a water course or a sewer (including via contaminated soil & vegetation) in large quantities contact local water authority and inform the Environment Agency |
| 6.3 Methods and material for containment and cleaning up | Use soil, sand or other absorbent material. Transfer to appropriate containers, contact manufacturer for details of disposal. |
| 6.4 Reference to other sections | No reference necessary |

7. Handling and storage

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|------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 7.1 Precaution for safe handling | Avoid contact with skin and eyes. Wash Hands thoroughly after handling
Do not eat, drink or smoke when using this product. Remove contaminated clothing and protective equipment before entering eating areas. |
| 7.2 Conditions for safe storage, including any incompatibilities | Store in a cool dry atmosphere, in original labelled containers. Refer to manufacturer for maximum safe stacking height. Keep away from heat sources, combustible materials. |
| 7.3 Specific end use(s) | No specific information available |

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8. Exposure controls / Personal protection

8.1 Control Parameters

Components with critical values that require monitoring at the workplace:

Mono ethylene Glycol CAS:107-21-1

WEL (GB) Short term value: 104** mg/m³, 40** ppm
Long term value: 10* 52** mg/m³, 20** ppm
Sk *particulate **vapour

IOELV (EU) Short term value: 104 mg/m³, 40 ppm
Long term value: 52 mg/m³, 20 ppm
Skin

8.2 Exposure controls

Goggles – Eye Protection: goggles/face shield to BS EN166.

Gloves – BS EN374 – chemical protection.

Respirators – BS approved protection device with P3 filter.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	Milky pink
Odour	low odour
Odour threshold;	Information not specified
pH	5-6
Melting point/freezing;	Information not specified
Initial boiling point and boiling range;	Information not specified
Flash point;	Mixture not classified as flammable
Evaporation rate;	Information not specified
Flammability (solid, gas);	Mixture not classified as flammable
Upper /lower flammability or explosive limits;	Mixture not classified as flammable or explosive
Vapour Pressure;	Information not specified
Vapour density;	Information not specified
Specific gravity;	1.05g/cm ³
Solubility (ies);	Information not specified
Partition coefficient: n-octanol/water;	Information not specified
Auto ignition temperature:	Information not specified
Decomposition temperature:	Information not specified

9.2 Other Information

No other relevant information available

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10. Stability and reactivity

10.1 Reactivity	No known reactivity
10.2 Chemical Stability	Stable under normal conditions
10.3 Possibility of hazardous reactions	Information not available
10.4 Conditions to avoid	Extremes of temperature
10.5 Incompatible materials	None Known
10.6 Hazardous decomposition products	Possible Irritant fumes

11. Toxicological information

11.1 Information on toxicological effects	The mixture has not been assessed for toxicological effects, the mixture classification is given in section 2 based on individual component contents. The product is classified: May cause an allergic skin reaction.
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12. Ecological information

Mixture is not classified for environmental effects according to regulation 1272/2008 as amended. Individual co-formulant data is supplied where available

12.1 Toxicity

Aquatic toxicity:	
2634-33-5 1,2-benzisothiazol-3(2H)-one	
EC ₁₀ / 72 h	0.04 mg/l (Pseudokirchneriella subcapitata) (OECD 201) S 2238
EC ₅₀ / 72 h	0.11 mg/l (Pseudokirchneriella subcapitata) (OECD 201) S 2238
EC ₅₀ / 48 h	3.27 mg/l (Daphnia) (OECD 202) CAR
LC ₅₀ / 96 h	1.6 mg/l (rainbow trout) (OECD 203) S 2746
NOEC	0.21 mg/l (rainbow trout) (OECD 215) S 805

Toxicity on activated sludge organisms:

2634-33-5 1,2-benzisothiazol-3(2H)-one	
EC20 / 3 h	3.3 mg/l (Activated Sludge) (OECD 209)
EC50 / 3 h	13 mg/l (Activated Sludge) (OECD 209)

12.2 Persistence and degradability

Biodegradability:	
107-21-1 mono ethylene glycol	
OECD 301 A DOC Die-Away-Test	90-100 % (Activated Sludge) (OECD 301 A) Literature

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12.3 Bioaccumulative potential

BCF / LogKow:	
12634-33-5 1,2-benzisothiazol-3(2H)-one	
OECD 117 Log Kow (HPLC method)	0.7 (n-Octanol/water) (OECD 117) S 324
OECD 305 Biokonzentrationsfaktor BCF	6.95 BCF (Fish) (OECD 305) S 2243
BCF / LogKow:	
OECD 107 Log Kow (shake flask method)	- 1.36 (n-Octanol/water) Literature

12.3 Bioaccumulative potential **Information not available**
 12.5 Results of PBT and vPvB **Not classified**
 12.6 Other adverse effects **Information not available**

13. Disposal Considerations

13.1 Waste Treatment Methods **Dispose of contents/container in accordance with local/national regulation.**

14. Transport information

14.1 UN number: **Product is unclassified for transport**
 14.2 UN proper shipping name: **Product is unclassified for transport**
 14.3 Transport hazard: **Product is unclassified for transport**
 14.4 Packing group: **Product is unclassified for transport**
 14.5 Environmental hazards: **Product is unclassified for transport**
 14.6 Special precautions for user: **Not specified**
 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code **Applicable for Maritime bulk transport only. Check with carrier.**

15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture. **This substance is classified and labelled in accordance with regulation 1272/2008, and Regulation (EC) No 1907/2006.**
 15.2 Chemical Safety Assessment **CSA not undertaken for this substance**

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16. Other information

Hazard Information not otherwise listed in full elsewhere:

Acute Tox. 4:	Acute toxicity – Category 4
Skin Irrit. 2:	Skin corrosion/irritation – Category 2
Eye Dam. 1:	Serious eye damage/eye irritation – Category 1
Skin Sens. 1:	Skin sensitisation – Category 1
STOT RE 2:	Specific target organ toxicity (repeated exposure) – Category 2
Aquatic Acute 1:	Hazardous to the aquatic environment - acute aquatic hazard – Category 1
Aquatic Chronic 2:	Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

H302:	Harmful if swallowed
H315:	Causes skin irritation.
H318:	Causes serious eye damage.
H373:	May cause damage to organs through prolonged or repeated exposure
H400:	Very toxic to aquatic life
H411:	Toxic to aquatic life with long lasting effects.

SDS information:

This safety data sheet is compiled using data submitted for raw materials and practical experience. This product is intended for professional users only.

THIS SAFETY DATA SHEET IS PREPARED IN COMPLIANCE WITH REGULATION (EC) 1272/2008 AND REGULATION (EC) NO 1907/2006 AS AMENDED.

THE INFORMATION GIVEN HEREIN IS, TO THE BEST OF OUR KNOWLEDGE, CORRECT AND IS PRESENTED IN GOOD FAITH BUT NO WARRANTY, EXPRESSED OR IMPLIED IS GIVEN.