

## MICROBMONITOR<sup>®</sup>AQUA<sup>™</sup>

### SAFETY DATA SHEET

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 453/2010

#### 1. SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

<b>1.1 Product identifier</b>	
Product Name	MicrobMonitor AQUA.
Trade name	MicrobMonitor AQUA.
Product Code	ECHA16/MMA/010.
CAS No.	Mixture.
EINECS No.	Mixture.
REACH Registration No.	None assigned.
<b>1.2 Relevant identified uses of the substance or mixture and uses advised against</b>	
Identified use(s)	Prepared culture media for the development of microorganisms (HS 38.21.00.00.00) originating in water samples from the following non-inclusive list of industrial sectors; aviation, marine, and military.
Uses advised against	Not to be used to test any substance / sample of human or animal origin.
<b>1.3 Details of the supplier of the Safety Data Sheet</b>	
Company Identification	ECHA Microbiology Ltd. Unit 22 & 23 Willowbrook Technology Park Llandogo Rd., CARDIFF CF3 0EF United Kingdom (UK).
Telephone	+44 (0)29 2036 5930
Fax	+44 (0)29 2036 1195
E-mail	<a href="mailto:sales@echamicrobiology.co.uk">sales@echamicrobiology.co.uk</a>
<b>1.4 Emergency telephone number</b>	
Company	07970 150682 & 07813 833193

#### 2. SECTION 2: HAZARDS IDENTIFICATION

<b>2.1 Classification of the substance or mixture</b>	
Regulation (EC) No. 1272/2008 (CLP)	Not classified as dangerous for supply/use.
<b>2.2 Label elements</b>	
Product Name	According to Regulation (EC) No. 1272/2008 (CLP) MicrobMonitor AQUA.
Hazard Pictogram(s)	None.
Signal word(s)	None.
Hazard statement(s)	None.
Precautionary statement(s)	None.
<b>2.3 Other hazards</b>	None.
<b>2.4 Additional Information</b>	No information available.

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### 3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

No component is present at sufficient concentration to require a hazardous classification.

#### 3.1 Mixtures

EC Classification No. 1272/2008

Substances	%W/W	CAS No.	EC No.	REACH Registration No.	Hazard pictogram(s) and Hazard statement(s)
Water	>97	7732-18-5	231-791-2	None assigned	None
Tryptone	<0.5	91079-40-2	293-428-4	None assigned	None
Purified Agar	<0.3	9002-18-0	232-658-1	None assigned	None

#### 3.2 Additional Information

For full text of H/P statements see section 16.

### 4. SECTION 4: FIRST AID MEASURES



#### 4.1 Description of first aid measures

Inhalation  
Skin Contact  
Eye Contact

Unlikely route of exposure.

Wash with plenty of soap and water.

Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. If symptoms persist, obtain medical attention.

Ingestion

Wash out mouth with water. Get medical advice/attention if you feel unwell.

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

Unlikely to be required but if necessary treat symptomatically.

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

No special requirements.

#### 4.4 Additional Information

Exposure to the content of used test kit: If symptoms occur obtain medical attention.

### 5. SECTION 5: FIRE-FIGHTING MEASURES

#### 5.1 Extinguishing Media

Suitable Extinguishing Media  
Unsuitable Extinguishing Media

As appropriate for surrounding fire.

None known.

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

This product may give rise to hazardous fumes in a fire. Hazardous decomposition product(s): Carbon monoxide, Carbon dioxide.

#### 5.3 Advice for fire-fighters

Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Chemical protection suit.

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### 6. SECTION 6: ACCIDENTAL RELEASE MEASURES

Spillage is unlikely to occur unless the bottles of the test kit are broken.

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| <p><b>6.1 Personal precautions, protective equipment and emergency procedures</b></p> <p><b>6.2 Environmental precautions</b></p> <p><b>6.3 Methods and material for containment and cleaning up</b></p> <p>Unused test kit</p> <p>Used test kit</p> | <p>Caution - spillages may be slippery. Wear protective gloves.</p> <p>Avoid release to the environment.</p> <p>Cover with absorbent or contain. Collect and dispose. Cover with disinfectant. Wait for at least 10 minutes before recovering for disposal. If broken glass accidentally cuts the skin, clean the wound thoroughly and seek medical advice.</p> <p>See Also Section 8.</p> |
| <p><b>6.4 Reference to other sections</b></p>  | <p>See Also Section 8.</p>   |

### 7. SECTION 7: HANDLING AND STORAGE




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|---|--|
| <p><b>7.1 Precautions for safe handling</b></p>                                     | <p>Wear appropriate personal protective equipment, avoid direct contact. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Wash the contaminated area of body with soap and fresh water.</p> |
| <p><b>7.2 Conditions for safe storage, including any incompatibilities</b></p>      | <p>Keep container tightly closed in a cool dark place. Keep away from direct sunlight.</p>   |
| <p><b>7.2.1 Storage Temperature</b></p> <p>Unused test kit</p> <p>Used test kit</p> | <p>Ideal storage temperature: 2 – 8 °C. Incubate at 22° (or the temperature of the system being tested). If an incubator is not available use a dark warm draught free cupboard at 22°C.</p>   |
| <p><b>7.2.2 Storage Life</b></p>  | <p>Stable under normal conditions.</p>   |
| <p><b>7.2.3 Incompatible materials</b></p>  | <p>No information available.</p>   |
| <p><b>7.3 Specific end use(s)</b></p>   | <p>Prepared culture media for the development of microorganisms (HS 38.21.00.00.00) originating in water samples.</p>  |

### 8. SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 Control parameters**
- 8.1.1 Occupational Exposure Limits**

SUBSTANCE	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m <sup>3</sup> )	STEL (ppm)	STEL (mg/m <sup>3</sup> )	Note
Water	7732-18-5	-	-	-	-	Not established
Tryptone	91079-40-2	-	-	-	-	Not established
Purified Agar	9002-18-0	-	-	-	-	Not established

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8.1.2	<b>Biological limit value</b>	No information available.
8.1.3	<b>PNECs and DNELs</b>	No information available.
8.2	<b>Exposure controls</b>	
8.2.1	<b>Appropriate engineering controls</b>	Ensure adequate ventilation.
8.2.2	<b>Personal protection equipment</b>	
	Eye/face protection	Wear protective eye glasses for protection against liquid splashes.
		
	Skin protection (Hand protection/ Other)	Wear protective gloves.
		
	Respiratory protection	Not normally required.
		
	Thermal hazards	Not applicable.
8.2.3	<b>Environmental Exposure Controls</b>	Avoid release to the environment.

## 9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1	<b>Information on basic physical and chemical properties</b>	
	Appearance	Gel in a plastic bottle.
	Colour	Green-blue
	Odour	Odourless.
	Odour Threshold (ppm)	Not established.
	pH (Value)	6.5
	Melting Point (°C)	90°C
	Boiling point/boiling range (°C)	Not available.
	Flash Point (°C)	Not applicable.
	Evaporation rate	Not applicable.
	Flammability (solid, gas)	Non-flammable.
	Explosive limit ranges	Not applicable.
	Vapour Pressure (mm Hg)	Not applicable.
	Vapour Density (Air=1)	Not applicable.
	Density (g/ml)	Not available.
	Bulk Density (g/ml)	Not available.
	Solubility (Water)	Miscible.
	Solubility (Other)	No information available.
	Partition Coefficient (n-Octanol/water)	No information available.
	Auto Ignition Temperature (°C)	Not applicable.
	Decomposition Temperature (°C)	Not available.
	Viscosity (mPa.s)	Not applicable.
	Explosive properties	Not explosive.

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9.2	Oxidising properties Other information	Not oxidising. None.
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### 10. SECTION 10: STABILITY AND REACTIVITY

10.1	Reactivity	Stable under normal conditions.
10.2	Chemical stability	Stable under normal conditions.
10.3	Possibility of hazardous reactions	No hazardous reactions known if used for its intended purpose.
10.4	Conditions to avoid	Keep away from direct sunlight.
10.5	Incompatible materials	No information available.
10.6	Hazardous Decomposition Product(s)	No hazardous decomposition products known.

### 11. SECTION 11: TOXICOLOGICAL INFORMATION

11.1	Information on toxicological effects Acute toxicity	Low acute toxicity. Used test kit: May be harmful and cause infection due to the presence of micro-organisms growing in the gel.
	Irritation	Non-irritant.
	Corrosivity	Not classified.
	Sensitisation	It is not a skin sensitiser.
	Repeated dose toxicity	None anticipated.
	Carcinogenicity	No evidence of carcinogenicity.
	Mutagenicity	There is no evidence of mutagenic potential.
	Toxicity for reproduction	Not classified.
11.2	Other information	None.

### 12. SECTION 12: ECOLOGICAL INFORMATION

12.1	Toxicity	Low toxicity to aquatic organisms.
12.2	Persistence and degradability	The product is readily biodegradable. Unlikely to persist.
12.3	Bioaccumulative potential	The product has low potential for bioaccumulation.
12.4	Mobility in soil	Soluble in water.
12.5	Results of PBT and vPvB assessment	Not classified as PBT or vPvB.
12.6	Other adverse effects	None anticipated.

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### 13. SECTION 13: DISPOSAL CONSIDERATIONS

#### 13.1 Waste treatment methods

If there is evidence of microbial contamination (i.e. purple spots can be seen in the gel) then dispose of as non sterile and used test kits. If no growth is visible in the gel then dispose of as sterile and unused tests.

##### **Sterile and Unused Microbmonitor AQUA tests**

Licensed Waste Contractor

Dispose of via an authorised person / licensed waste contractor in accordance with local, state or national legislation.

Incineration

Incineration may be carried out under controlled conditions provided local regulations for emissions are met by an authorised person / licensed waste contractor.

##### **Non sterile and used Microbmonitor AQUA tests**

Disinfection followed by Licensed Waste Contractor

Sterilize the Microbmonitor AQUA kits by following manufacturers instructions provided with the test kit. Dispose of via an authorised person / licensed waste contractor in accordance with local, state or national legislation.

Incineration

Classify as a bio-hazardous infectious test kit showing growth. Incineration may be carried out under controlled conditions provided local regulations for emissions are met by an authorised person / licensed waste contractor.

### 14. SECTION 14: TRANSPORT INFORMATION

Not classified as dangerous for transport.

14.1 UN number	Not applicable.
14.2 Proper Shipping Name	Not applicable.
14.3 Transport hazard class(es)	Not applicable.
14.4 Packing Group	Not applicable.
14.5 Environmental hazards	Not applicable.
14.6 Special precautions for user	Not applicable.
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
14.8 Additional Information	Not applicable.

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### 15. SECTION 15: REGULATORY INFORMATION

<b>15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture</b>	
<b>15.1.1 EU regulations</b>	
<b>Authorisations and/or restrictions on use</b>	
Candidate List of Substances of Very High Concern for Authorisation	All chemicals are not listed.
REACH: Annex XIV List of substances subject to authorisation	All chemicals are not listed.
REACH: Annex XVII Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	All chemicals are not listed.
Community Rolling Action Plan (CoRAP)	All chemicals are not listed.
<b>15.1.2 National regulations</b>	None known.
<b>15.2 Chemical Safety Assessment</b>	Not applicable.

### 16. SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1-16.

#### LEGEND

LTEL	Long Term Exposure Limit
STEL	Short Term Exposure Limit
DNEL	Derived No Effect Level
PNEC	Predicted No Effect Concentration
PBT	Persistent, Bioaccumulative and Toxic
vPvB	very Persistent and very Bioaccumulative

#### Disclaimers

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#### Annex to the extended Safety Data Sheet (eSDS)

Not applicable.