

# SAFETY DATA SHEET

## MicrobMonitor Biocide Rapide

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

#### 1.1 Product identifier

**Product name:** MicrobMonitor Biocide Rapide (25,100 Tests)  
**Internal code:** ECHA01/BR1/01, ECHA01/BR1/02  
**Chemical formula:** Not applicable (mixture).

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

**Recommended use:** MicrobMonitor Biocide Rapide is a diffusion test for the detection of antibacterial substances in aqueous and non aqueous products e.g. paint, water associated with fuel.

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

**Supplier:** ECHA Microbiology Ltd,  
Units 22 & 23 Willowbrook Technology Park,  
Llandogo Road, Cardiff.  
CF30EF, UK.  
**Phone:** +44 (0) 2920 365930  
**Telefax:** +44 (0) 2920 361195

e-mail address of person responsible for this SDS: [sales@microbmonitor.com](mailto:sales@microbmonitor.com)

#### 1.4 Emergency telephone number

Emergency telephone numbers: +44 (0) 7970 150682 & +44 (0) 7813 833193

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

**Product definition** Mixture

**Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]**

Not classified.

**Classification according to Directive 1999/45/EC [DPD]**

The product is not classified as dangerous according to Directive 1999/45/EC and its amendments.

**Classification:** Not classified.

#### 2.2 Label elements

**Hazard pictograms:** Not applicable.

**Signal word:** No signal word.

**Hazard statements:**

#### **Precautionary statements**

**Prevention:** Not applicable.

**Response:** Not applicable.

**Storage:** Not applicable.

**Disposal:** Not applicable.

**Hazardous ingredients:**

### Solving microbiological problems in industry

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### 2.3 Other hazards

#### Other hazards which do

not result in classification: Not available

## SECTION 3: Composition/information on ingredients

**3.1 Substance/mixture:** Mixture

### 3.2 Chemical

#### description:

The test consists of ampoules filled with a solid agar medium. The agar medium is embedded into the ampoules. It contains a standardised number of *Bacillus stearothermophilus* spores, nutrients (dextrose, starch and nitrogen source) and a pH indicator.

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

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

- Eye contact:** Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
- Inhalation:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
- Skin contact:** Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
- Ingestion:** Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
- Protection of first-aiders:** No action shall be taken involving any personal risk or without suitable training.

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

#### Potential acute health effects

- Eye contact:** No known significant effects or critical hazards.
- Inhalation:** No known significant effects or critical hazards.
- Skin contact:** No known significant effects or critical hazards.
- Ingestion:** No known significant effects or critical hazards.

#### Over-exposure signs/symptoms

- Eye contact:** No specific data.
- Inhalation:** No specific data.
- Skin contact:** No specific data.
- Ingestion:** No specific data.

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

**Notes to physician:** Treat symptomatically. Contact poison treatment specialist

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**Specific treatments:** immediately if large quantities have been ingested or inhaled.  
No specific treatment.

## SECTION 5: Fire fighting measures

### 5.1 Extinguishing media

#### Small fire

**Suitable:** Use dry chemical or CO<sub>2</sub>

**Not suitable:** None known

#### Large fire

**Suitable:** Use extinguishing media suitable for surrounding fire

**Not suitable:** None known

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

#### Hazards from the

**substance or mixture:** No specific fire or explosion hazard.

#### Hazardous combustion

##### products:

In case of fire, may produce hazardous decomposition products such as carbon monoxide, carbon dioxide.

### 5.3 Advice for fire-fighters

#### Special protective actions

**for fire-fighters:** No special measures required.

#### Special protective

**equipment for fire-fighters:** Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

## SECTION 6: Accidental release measures

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

#### For non-emergency personnel:

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 spilt material. Put on appropriate personal protective equipment.

#### For emergency responders:

If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

### 6.2 Environmental precautions:

Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### 6.3 Methods and materials for containment and cleaning up

**Small spill:** Move containers from spill area. Vacuum or sweep up material and

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**Large spill** place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.  
Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor. Note: see section 1 for emergency contact information and section 13 for waste disposal.

**6.4 Reference to other sections:**

See Section 1 for emergency contact information.  
See Section 8 for information on appropriate personal protective equipment. See Section 13 for additional waste treatment information.

## SECTION 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

**Protective measures:** Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas.

**Advice on general occupational hygiene**

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

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

Store between the following temperatures: 4 to 8°C (39.2 to 46.4°F). Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.  
Sensitive to frost. Keep in a dry place. Store in a dark place.

### 7.3 Specific end use(s)

**Recommendations:** Not available.

**Industrial sector specific Solutions:** Not available.

## SECTION 8: Exposure controls/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

#### Occupational exposure limits

No exposure limit value known.

#### Recommended monitoring

##### **procedures:**

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 European Standard EN 689 for methods for the assessment of exposure by inhalation to chemical agents and national guidance documents for methods for the determination of hazardous substances.

#### Derived effect levels

No DELs available.

#### Predicted effect concentrations

No PECs available.

### 8.2 Exposure controls

#### Appropriate engineering

##### **controls:**

No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.

#### Individual protection measures

##### **Hygiene measures:**

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

##### **Eye/face protection:**

Safety glasses with side shields.

##### **Hand protection:**

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.

##### **Skin and body:**

Working clothes.

##### **Respiratory protection:**

No special protection is required. In case of insufficient ventilation, wear suitable respiratory equipment.

##### **Environmental exposure controls:**

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Advice on personal protection is applicable for high exposure levels. Select proper personal protection based on a risk assessment of the actual exposure situation.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Physical state:	Solid
Colour	Agar medium: Purple
Odour:	Odourless.
Odour threshold:	Not available.
pH:	Not available.
Melting point:	Not available.
Initial boiling point and boiling range:	Not available.
Softening range:	Not available.
Flash point:	Not available.
Evaporation rate:	Not available.
Flammability (solid, gas):	Not available.
Burning time:	Not available.
Burning rate:	Not available.
Upper/lower flammability or explosive limits:	Not available.
Vapour pressure:	Not available.
Vapour density:	Not available.
Relative density:	Not available.
Density ( g/cm <sup>3</sup> ):	Not available.
Bulk density:	Not available.
Solubility:	Not available.
Solubility in water:	Not available.
Solubility at room temperature:	Not available.
Partition coefficient octanol/water:	Not available.
Auto-ignition temperature:	Not available.
Decomposition temperature:	Not available.
Viscosity:	Not available.
Explosive properties:	Not available.
Oxidising properties:	Not available.

### 9.2 Other information

Remarks: Not available.

## SECTION 10: Stability and reactivity

10.1 Reactivity: No specific test data related to reactivity available for this product or its ingredients.

10.2 Chemical stability: The product is stable.

10.3 Possibility of hazardous reactions: Under normal conditions of storage and use, will not occur.

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- 10.4 Conditions to avoid:** No specific data.  
**10.5 Incompatible materials:** No specific data.  
**10.6 Hazardous decomposition products:** In case of fire: see section 5.

**SECTION 11: Toxicological information**

**11.1 Information on toxicological effects**

**Acute toxicity**

**Conclusion/Summary:** Not available.

**Acute toxicity estimates**

Not available.

**Irritation/Corrosion**

**Conclusion/Summary**

Eyes: Not available.

Skin: Not available.

Respiratory: Not available.

**Sensitisation**

**Conclusion/Summary**

Skin: Not available.

Respiratory: Not available.

**Mutagenicity**

**Conclusion/Summary:** Not available.

**Carcinogenicity**

**Conclusion/Summary:** Not available.

**Reproductive toxicity**

**Conclusion/Summary:** Not available.

**Teratogenicity**

**Conclusion/Summary:** Not available.

**Specific target organ toxicity (single exposure)**

Not available.

**Specific target organ toxicity (repeated exposure)**

Not available.

**Aspiration hazard**

Not available.

**Potential acute health effects**

**Eye contact:** No known significant effects or critical hazards.

**Inhalation:** No known significant effects or critical hazards.

**Skin contact:** No known significant effects or critical hazards.

**Ingestion:** No known significant effects or critical hazards.

**Symptoms related to the physical, chemical and toxicological characteristics**

**Eye contact:** No specific data.

**Inhalation:** No specific data.

**Skin contact:** No specific data.

**Ingestion:** No specific data.

**General:** No known significant effects or critical hazards.

**Carcinogenicity:** No known significant effects or critical hazards.

**Mutagenicity:** No known significant effects or critical hazards.

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**Teratogenicity:** No known significant effects or critical hazards.  
**Developmental effects:** No known significant effects or critical hazards.  
**Fertility effects:** No known significant effects or critical hazards.  
**Remarks:** No acute toxicity, even not at high doses.

## SECTION 12: Ecological information

### 12.1 Toxicity

**Conclusion/Summary:** Not available.

### 12.2 Persistence and degradability

**Conclusion/Summary:** Not available.

### 12.3 Bioaccumulative potential

### 12.4 Mobility in soil:

**Soil/water partition coefficient (Koc)** Not available.

**Mobility:** Not available.

### 12.5 Results of PBT and vPvB assessment

**PBT:** Not applicable.

**vPvB:** Not applicable.

**12.6 Other adverse effects:** No known significant effects or critical hazards.

**Remarks:** Agar medium : Bacillus stearotherophilus will multiply only at temperatures above 50°C and presents no hazards for the environment.

## SECTION 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

#### Product

#### **Methods of disposal**

The generation of waste should be avoided or minimised wherever possible. Significant quantities of waste product residues should not be disposed of via the foul sewer but processed in a suitable effluent treatment plant. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

#### **Hazardous waste**

Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 91/689/EEC.



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**Packaging**

**Methods of disposal:** The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible

**Special precautions:** This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers

**SECTION 14: Transport information**

	<b>ADR/RID</b>	<b>ADN/ADNR</b>	<b>IMDG</b>	<b>IATA</b>
<b>14.1 UN number</b>	Not regulated.	Not regulated.	Not regulated.	Not regulated.
<b>14.2 UN proper shipping name</b>	-	-	-	-
<b>14.3 Transport hazard class(es)</b>	-	-	-	-
<b>14.4 Packing group</b>	-	-	-	-
<b>14.5 Environmental hazards</b>	No.	No.	No.	No.
<b>14.6 Special precautions for user</b>	Not available.	Not available.	Not available.	Not available.
<b>Additional information</b>	-	-	-	-

**14.7 Transport in bulk**  
according to Annex II of  
MARPOL 73/78 and the IBC  
Code: Not available.

**SECTION 15: Regulatory information**

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture EU Regulation (EC) No. 1907/2006 (REACH)**

**Annex XIV - List of substances subject to authorisation**

**Substances of very high concern**

None of the components are listed.

**Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles**

Not applicable.

**15.2 Chemical Safety:** Not applicable.  
**Assessment**

## SECTION 16: Other information

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Classification	Justification
Not classified	

### Full text of abbreviated H

**Statements:** Not applicable.

### Full text of classifications

**[CLP/GHS] :** Not applicable.

### Full text of abbreviated R

**phrases:** Not applicable.

### Full text of classifications

**[DSD/DPD]:** Not applicable.

### Alterations compared to the previous version

Alterations compared to the previous version are marked with a little (blue) triangle.

### Abbreviations and acronyms:

ATE = Acute Toxicity Estimate  
 CLP = Classification, Labeling and Packaging Regulation [Regulation (EC) No. 1272/2008]  
 DNEL = Derived No Effect Level  
 EUH statement = CLP-specific Hazard statement  
 PNEC = Predicted No Effect Concentration  
 RRN = REACH Registration Number

### Sources of key data:

Literature data and/or investigation reports are available through the manufacturer.

### Internal code:

ECHA01/BR1/01, ECHA01/BR1/02

### Training advice:

Before handling this substance/preparation, the personnel involved should be instructed by means of this safety data sheet.

### Notice to reader

The information contained in the Safety Data Sheet is based on our data available on the date of publication. The information is intended to aid the user in controlling the handling risks; it is not to be construed as a warranty or specification of the product quality. The information may not be or may not altogether be applicable to combinations of the product with other substances or to particular applications.

The user is responsible for ensuring that appropriate precautions are taken and for satisfying themselves that the data are suitable and sufficient for the product's intended purpose. In case of any unclarity we advise consulting the supplier or an expert.

### History

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