

## SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006

Date: 27-09-2015

Version: 2.01

Product Name: MicroAktiv®-BY



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

#### 1.1 Product Identifier

Product Name : MicroAktiv®-BY  
Product form : Liquid  
Product code : 9006  
Product description : Concentrated liquid of fermented plants and algae

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

Identified Uses Bioactivator in general

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

Company : QM Environmental International B.V.  
Henricuskade 123A  
The Hague, 2497 NB, The Netherlands  
Phone : +31 858 768 862  
Fax : +31 847 466 328  
E-mail : info@microaktiv.com  
Website : <http://www.microaktiv.com>

#### 1.4 Telephone number in case of emergencies

Telephone number : +31-653229465  
(only available from 8:00 a.m. to 11:00 p.m. Central European Time (UTC + 1:00))

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### SECTION 2. HAZARDS IDENTIFICATION

#### 2.1 Classification of substance or mixture

Classification in accordance with Global Harmonization Systems (GHS) and Classification Labeling and Packaging Regulation (EC) No 1272/2008 (CLP)

**All ingredients are non-hazardous**

#### 2.2 Label elements

Hazard Pictogram  
Signal Word

Hazard Statement

#### 2.3 Other Hazards

Special Risks None.

Suitable Extinguishing Media

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All Dry chemical, carbon dioxide, Water Spray.

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### SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

#### 3.1 Substance

#### 3.2 Mixture

Hazardous Components According to EC directive no. 1272/2008

Non-Hazardous Components

Fermented plant and algae extracts, water

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### SECTION 4. FIRST AID MEASURES

#### 4.1 Description of first aid measures

|              |  |
|--------------|--|
| INHALATION   | No symptoms expected. Seek medical attention if allergic response exhibited  |
| EYE CONTACT  | Product is not known to cause eye irritation. However, it is recommended that direct contact with eyes be avoided. In case of contact with eyes, flush eyes with low pressure water for at least 15 minutes. If irritation persists, seek medical attention. |
| SKIN CONTACT | In case of contact with skin, wash skin with soap and water. Remove contaminated clothing and wash.  |
| INGESTION    | Ingestion of material may cause severe gastric disturbance, diarrhea. If swallowed, rinse mouth and throat with tap water. Seek medical attention if symptoms occur.   |

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

Gastric disturbance.

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

In case of symptoms

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### SECTION 5. FIREFIGHTING MEASURES

#### 5.1 Extinguishing Media

Suitable Extinguishing Media : Dry chemical, carbon dioxide, water spray or foam.

Unsuitable extinguishing media : None

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

Hazardous combustion product : No special requirements.

#### 5.3 Advice for firefighters

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Product itself is not flammable. Plastic jerrycan will melt under the influence of heat. Product itself is fully biodegradable and forms no risk for the environment.

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### SECTION 6. ACCIDENTAL RELEASE MEASURES

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

##### 6.1.1 For non-emergency personnel

Protective equipment : See section 8 for protective equipment.

Emergency procedures : -.

##### 6.1.2 For emergency responders

Protective equipment : See section 8 for protective equipment.

Emergency procedures : -.

#### 6.2 Environmental precautions

None.

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

Contain spills. Remove to sanitary landfill or flush to sewer (completely biodegradable and non toxic).

#### 6.4 Reference to other sections

Refer to Section 8 for protective equipment and Section 13 for disposal considerations

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### SECTION 7. HANDLING AND STORAGE

#### 7.1 Precautions for safe handling

Protective measures : Wear suitable protective gloves (neoprene, nitrile or natural rubber) in case of frequent contact with undiluted or diluted product.

Measures to prevent fire : No special requirements

Measures to prevent aerosol and dust generation : Keep product confined in closed container.

Measures to protect the environment : N/A

Advice on general occupational hygiene : Do not eat, drink and smoke in work areas/ wash hands after use/ remove contaminated clothing and protective equipment before entering eating areas.

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

Store in a cool and frost-free place out of the reach of children, P-102.

### 7.3 Specific end use(s)

Recommendations : None

Industrial sector specific solutions : None

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## SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1 Control parameters

None

### 8.2 Exposure controls

#### 8.2.1. Appropriate engineering controls

The product is used as cleaning agent. Direct exposure to workers is limited. Workers are required to take the necessary precautions for the safe use of the product.

#### 8.2.2. Personal Protection Equipment



Respiratory Protection Not required.

Skin Protection Wear rubber gloves.

Eye Protection Safety glasses.

Industrial Hygiene Maintain good housekeeping. Wash hands and exposed skin after contact. Remove and wash contaminated clothing.

#### 8.2.3 Environmental Exposure Controls

N/A

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### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

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

|                         |                   |
|-------------------------|-------------------|
| Appearance              | Dark brown liquid |
| Odor                    | Specific Odor     |
| Specific Gravity (20°C) | 1,03 g/ml         |
| Solubility in water     | 100%              |
| Evaporation Rate        | N/A               |
| pH                      | 3,5               |
| Freezing Point (°C)     | -5°C              |
| Boiling Point (°C)      | 102°C             |
| Flammability            | None              |
| Explosive limits        | None              |

9.2 Other information : None

### SECTION 10. STABILITY AND REACTIVITY

|   |   |                                    |
|---|---|------------------------------------|
| 10.1 Reactivity                         | : | none known                         |
| 10.2 Chemical stability                 | : | Stable under normal conditions     |
| 10.3 Possibility of hazardous reactions | : | none known                         |
| 10.4 Conditions to avoid                | : | Avoid temperatures above 60°C      |
| 10.5 Incompatible materials             | : | Strong lye's, chlorinated products |
| 10.6 Hazardous decomposition products   | : | none known                         |

### SECTION 11. TOXOLOGICAL INFORMATION

#### 11.1 Information on toxicological effects

11.1.1. Substances : N/A

#### 11.1.2. Mixtures

|                 |  |
|-----------------|--|
| Acute Toxicity  | None   |
| Ingestion       | Gastric disturbance, can case diarrhea.            |
| Eyes            | Not irritating                                     |
| Skin            | Not irritating                                     |
| Inhalation      | Not irritating                                     |
| Carcinogenicity | NTP: No / IARC Monographs: No / OSHA Regulated: No |

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### SECTION 12. ECOLOGICAL INFORMATION

|  |   |
|--|---|
| <b>12.1 Toxicity</b>                           | This product is not supposed to be dangerous to the environment with respect to mobility, persistence and degradability, bioaccumulation, aquatic toxicity and other data relating to eco-toxicity. |
| <b>12.2 Persistence and degradability</b>      | Product is > 80% biodegradable within 28 days according to OECD-301D.   |
| <b>12.3 Bioaccumulative potential</b>          | No data   |
| <b>12.4 Mobility in soil</b>                   | No mobility expected  |
| <b>12.5 Results of PBT and vPvB assessment</b> | Not required  |
| <b>12.6 Other adverse effects</b>              | None known  |
| <b>12.7 Additional information</b>             | None  |

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### SECTION 13. DISPOSAL CONSIDERATIONS

#### 13.1 Waste treatment methods

##### 13.1.1 Product / Packaging disposal

Waste codes / waste designations according to EURL:

Product: : -  
Packaging : 150102

##### 13.1.2 Waste treatment – relevant information

Dispose of in accordance with current Federal, State, and Local regulations. Treat as non-hazardous waste. Dispose in non-hazardous permitted facilities.

##### 13.1.3 Sewage disposal-relevant information

N/A

##### 13.1.4 Other disposal recommendations

Treat as non-hazardous waste. Dispose in non-hazardous permitted facilities.

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### SECTION 14. TRANSPORT INFORMATION

|   |  |
|---|--|
| <b>14.1 UN Number</b>                         | Mixture not classified as Hazardous according to Regulation (EC) 1272/2008 |
| <b>14.2 Un Proper shipping name</b>           |  |
| Classification according to ADR/RID/IATA/IMDG |  |
| - Classification Code                         |  |
| - Label                                       |  |
| <b>14.3 Transport hazard class (es)</b>       |  |
| <b>14.4 Packing group</b>                     |  |
| <b>14.5 Environmental hazards</b>             |  |
| <b>14.6 Special precautions</b>               |  |
| <b>14.7 DOT shipping name</b>                 | Chemicals not otherwise indexed (NOI) non-hazardous.                       |

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### SECTION 15. REGULATORY INFORMATION

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

Preparation does not contain ingredients listed as dangerous substances in Annex 1 of the EEC directive 67/548. All ingredients used are listed on the USEPA TSCA Inventory list.

#### National regulations

German WGK-class: 0 (non-hazardous to water)

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### SECTION 16. OTHER INFORMATION

Mixture classified as not dangerous according to Regulation (EC) 1272/2008

The information contained in this Safety Data Sheet, as of the issue date, is believed to be true and correct. However, the accuracy or completeness of this information and any recommendations or suggestions are made without warranty or guarantee. Since the conditions of use are beyond the control of our company, it is the responsibility of the user to determine the conditions of safe use of this product. The information in this sheet does not represent analytical specifications; for this information contact QM Environmental International B.V., Technical Department.

BY3013

MSDS Created: 01/2007

Modified: 27/09/2015