

SAFETY DATA SHEET

According to Regulation (EC) No. 2020/878

Revision Date: 10-03-2021

Version: 2

Product Name: MicroAktiv®-MV



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

1.1 Product Identifier

Product Name **MicroAktiv®-MV**
Product form : Liquid
Product code : 9010
Product description : (Bio)fertilizer.

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

Relevant identified uses : foliage nutrient

Main use category : Professional use

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))

SECTION 2. HAZARDS IDENTIFICATION

2.1 Classification of substance or mixture

Product is not classified as hazardous and does not contain any substances that are classified or labelled according to Regulations (EC) 1272/2008 (EU), (EU) 453/2010, (EC) 1907/2006 (REACH), Directive 1999/45/EC, to the Globally Harmonized System of Classification and Labelling of Chemicals (GHS section 1.5.2), the Canadian Hazardous Product Act, US Occupational Safety and Health Administration (OSHA) and Controlled Product Regulation (CPR).

2.2 Label elements

Hazard Pictogram : -
Signal Word (CLP) : -
Hazard Statement (CLP): -

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2.3 Other Hazards

Special Risks None.

Suitable Extinguishing Media

All Dry chemical, carbon dioxide, Water Spray.

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substance

3.2 Mixture

Substance Name	CAS no.	EC no.	REACH Registration no.	Concentration	Classification According EU directive No. 1278/2008 (CLP)
Yeast fractions	8013-01-2	232-387-9	84604-16-0	100%	-

SECTION 4. FIRST AID MEASURES

4.1 Description of first aid measures

GENERAL	Protection of rescue workers: Wear appropriate individual protective equipment (see Section 8). Transport the affected person into the open air. Remove contaminated shoes and clothing.
INHALATION	In event of inhalation, take into the open air. Do not allow the person to get cold. Keep the victim resting in a semi-seated position. In the absence of breathing, use artificial respiration. Consult a doctor.
EYE CONTACT	Rinse thoroughly with running water, with the eyelids opened for a sufficient length of time (protect uninjured eye). Consult a doctor if symptoms develop.
SKIN CONTACT	Rinse thoroughly with running water and soap. Remove contaminated shoes and clothing. Consult a doctor if symptoms develop.
INGESTION	In the event of ingestion, rinse the mouth with water (only if the person is conscious). Consult a doctor if symptoms develop.

Self-protection of the first aider : Wear protective clothing, gloves, use breathing apparatus and eye protection when handling the victim.

4.2 Most important symptoms and effects, both acute and delayed

Eye contact: May cause irritation of the eyes (redness)
Skin contact: Prolonged or repeated contact with skin may cause irritation
Inhalation: May cause coughing (irritation) or irritate asthma. May cause sensitization.

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Ingestion: Ingestion of the product may elicit gastrointestinal problems. May induce vomiting, headache, listlessness

4.3 Indication of any immediate medical attention and special treatment needed

In case of symptoms

SECTION 5. FIREFIGHTING MEASURES

5.1 Extinguishing Media

Suitable Extinguishing Media : Carbon dioxide, dry powder, water or foam.

Unsuitable extinguishing media : None

5.2 Special hazards arising from the substance or mixture

Do not inhale explosion and combustion gases. Burning may produce heavy smoke.

5.3 Advice for firefighters

Wear a self-contained breathing apparatus (SCBA) when exposed to confined or enclosed fires as product powder could be in the air. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Move undamaged containers from immediate hazard area if it can be done safely.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel

Protective equipment : Avoid contact with eyes, skin and clothing. See section 8 for protective equipment.

Emergency procedures : Prevent the creation of mist / aerosols

6.1.2 For emergency responders

Protective equipment : Avoid contact with eyes, skin and clothing. See section 8 for protective equipment.

Emergency procedures : Prevent the creation of mist / aerosols

6.2 Environmental precautions

Do not allow to enter into surface water or drains. Retain contaminated washing water and dispose it. This material is not a physical, health or environmental hazard.

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6.3 Methods and materials for containment and cleaning up

Small accidental spillage or leak: Avoid the formation of dust or spray. Mop up with appropriate material. Place in an appropriate container. Clean the area affected with plenty of water.

Large accidental spillage or leak: Prevent spillage into the drains, subsoil or confined areas. Contain if necessary. Mop up the product spilled with inert material (e.g. dry sand or dry earth) and place in a chemical waste container. Recycle if possible.

6.4 Reference to other sections

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

SECTION 7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Handling: Avoid contact with eyes. Use localized ventilation system. Don't use empty container before it has been cleaned. Before making transfer operations, assure that there are not any incompatible residues in the containers.

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.

7.2 Conditions for safe storage, including any incompatibilities

Store in a suitable container, keep cool and protect from sunlight. This material is not very flammable. Store between 4 ° C and 20 ° C in tightly closed original packaging.

7.3 Specific end use(s)

Recommendations : None

Industrial sector specific solutions : None

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters : None

8.2 Exposure controls

8.2.1. Appropriate engineering controls : -

8.2.2. Personal Protection Equipment

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Respiratory Protection

In case of insufficient ventilation, effective dust mask



Skin Protection

Suitable resistant gloves (EN 374). Choose personal protective equipment depending on the activity and the possible impact, e.g. apron, safety boots, protective clothing.



Eye Protection

Safety glasses with side shields (frame goggles) (e.g. EN 166)



Industrial Hygiene

For handling soil improvers in end-user packaging, the data of personal protection equipment. It is recommended to wear closed work clothing. Separate storage of work clothes. Keep away from food, drink and animal feeding stuffs

8.2.3 Environmental Exposure Controls

N/A

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical/Chemical Property	Value
Physical state	Liquid
Colour	Brown
Odour	Typical smell
Odour Threshold	Information not available
Melting point / freezing point (°C)	Information not available
Initial boiling point and boiling range(°C)	Information not available
Flammability (solid, gas)	Information not available
Lower and Upper Explosion limits	Information not available
Flash point	Information not available
Auto-ignition temperature	Information not available
Decomposition temperature	Information not available
pH	4,3 – 4,8
Kinematic Viscosity	Information not available
Solubility in water	Partially soluble
Partition coefficient: n-octanol/water	Information not available
Vapour pressure	Information not available
Relative density (@25°C)	Information not available
Relative Vapour density	Information not available
Particle characteristics	Does not apply

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9.2 Other information None**SECTION 10. STABILITY AND REACTIVITY**

10.1 Reactivity	:	None under normal processing
10.2 Chemical stability	:	Stable under normal conditions
10.3 Possibility of hazardous reactions	:	none known
10.4 Conditions to avoid	:	No specific data
10.5 Incompatible materials	:	Acids, bases, concentrated fertilizer liquids, chemical pesticides, food, drink and animal feeding stuffs
10.6 Hazardous decomposition products	:	Under recommended storage and use conditions, no hazardous decomposition products should appear. In case of fire, see section 5

SECTION 11. TOXOLOGICAL INFORMATION**11.1 Information on toxological effects****11.1.1. Substances**

N/A

11.1.2. Mixtures

Acute Toxicity	Information Not Available
Skin Corrosion/Irritation	May cause skin irritation
Serious Eye Damage/Irritation	May cause eye irritation
Respiratory or Skin Sensitization	Irritation to the nose or throat may occur
Germ Cell Mutagenicity	Information Not Available
Carcinogenicity	Information Not Available
Reproductive Toxicity	Information Not Available
STOT – Single Exposure	Information Not Available
STOT – Repeated Exposure	Information Not Available
Aspiration Hazard	Information Not Available
Other information	No further information

According to the Regulation (EC) No. 1272/2008, MicroAktiv-MV is not classified

SECTION 12. ECOLOGICAL INFORMATION

12.1 Toxicity	No relevant data available
12.2 Persistence and degradability	Readily biodegradable.
12.3 Results of PBT and vPvB assessment	Not considered to be a PBT and vPvB substance
12.4 Other adverse effects	No relevant data available
12.5 Other information	Do not allow uncontrolled release of product into the environment. If the product has escaped into a water course, into a drainage system, or has contaminated the ground or vegetation un exceed quantities, notify the competent authorities.

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SECTION 13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product and packaging can be disposed of in regular trash or waste. No special disposal method required. Follow all applicable local laws for recycling, bagging, and disposal of trash.

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.

SECTION 14. TRANSPORT INFORMATION

14.1 UN Number

Product not classified as Hazardous according to Regulation (EC) 1272/2008

14.2 Un Proper shipping name

Classification according to ADR/RID/IATA/IMDG

- Classification Code

- Label

14.3 Transport hazard class (es)

-

14.4 Packing group

14.5 Environmental hazards

Environmentally hazardous : No

Marine Pollution : No

Other information : No additional information available

14.6 Special precautions

-

14.7 DOT shipping name

-

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SECTION 15. REGULATORY INFORMATION

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

15.1.1. EU regulations

This product is not classified as dangerous according to the CLP Regulation (EC) No. 1272/2008. The safety datasheet of this non dangerous product and related Classification are in accordance with EU Regulations:

CLP Regulation (EC) 1272/2008 on classification, labelling, and packaging of substances and mixtures, amending and repealing Directives 67/548/EC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Regulation (EU) 202/878 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH).

Regulation (EU) 202/878 ANNEX II: Requirements for the compilation of safety datasheets

Regulation (EC) 1907/2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH)

Directive 1999/45/EC concerning the approximation of laws, regulations and administrative provisions of the Member States relating to the classification, packaging and labeling of dangerous preparations.

15.1.2. National regulations

Canada:

WHMIS Statement: This product has been classified in accordance with the hazard criteria of the Controlled Product Regulation (CPR) and the SDS Contains all the information required by the CPR.

United States:

California Proposition 65: This product does not contain any proposition 65 chemicals.

SARA 313, section 313 of the Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and 40 CFR Part 372.

Brasil:

- Federal Decree 2.657/1998
- ABNT-NBR 14725 Standard
- Ordinance n° 229 of 2011 – Amending the Regulatory Standard n°26

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- Normative Instruction MAPA No. 53 of 2013
- Normative Instruction SDA No. 13 of 2011

Uruguay:

- Resolution DGSA 04/04/13 (DGSA = General Directorate of Agricultural Services)

15.2 Chemical Safety Assessment

Measures regarding the handling of the product can be found in sections 7 and 8 of this safety data sheet

SECTION 16. OTHER INFORMATION

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.

MV3013

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