

SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006

Date: 01-07-2023

Version: 1

Product Name: MicroAktiv®-N2Fix



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

1.1 Product Identifier

Product Name : MicroAktiv®-N2Fix
Product form : Liquid
Product code : 9015
Product description : Concentrated microbial liquid.

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

Relevant identified uses : Soil & leaf improver for agriculture and horticulture

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

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 (CLP) : -
Hazard Statement (CLP) : -

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H & P Phrases	Code	Explanatory notes
Hazard statements	-	-
Prevention	P102	Keep out of reach of children
	P264	Wash hands thoroughly after handling
	P270	Do not eat, drink or smoke when using this product.
	P280	Wear protective gloves/protective clothing/eye protection/face protection
	P284	Wear respiratory protection
Response precautionary statements	P302 + P352	IF ON SKIN: Wash with soap and water.
	P304 + P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
	P305 + P351 + P338	IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing
	P337 + P313	If eye irritation persists: Get medical advice/attention
	P342 + P311	If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.
	P362 + P364	Take off contaminated clothing and wash it before reuse
Storage precautionary statements	P404	Store in a closed container
	P410	Protect from sunlight.
Disposal precautionary statements	P501	Dispose of contents/container to licensed waste processor
Other information	Individuals with compromised immune systems or a history of severe allergic reactions should avoid contact and/or inhalation mist during product handling or manufacturing processes.	

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**

Hazardous Components According to EC directive no. 1272/2008

Non-Hazardous Components

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SECTION 4. FIRST AID MEASURES

4.1 Description of first aid measures

INHALATION	No symptoms expected. Fresh air, if shortness of breath persists seek medical attention
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. In case of skin irritation, consult a doctor.
INGESTION	Immediately rinse mouth and then drink water, 200-300 ml, seek medical attention. Do not induce vomiting.

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

None known.

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, water spray or foam.

Unsuitable extinguishing media : None

5.2 Special hazards arising from the substance or mixture

Hazardous combustion product : None known

5.3 Advice for firefighters

Product itself is not flammable. Plastic jerrycan will melt under the influence of heat.

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 : Prevent the creation of mist / aerosols

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6.1.2 For emergency responders

Protective equipment	:	See section 8 for protective equipment.
Emergency procedures	:	Prevent the creation of mist / aerosols

6.2 Environmental precautions

None.

6.3 Methods and materials for containment and cleaning up

Contain spills. Flush with water. Remove to sanitary landfill or waste incinerator as normal waste.

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

Protective measures	:	Avoid the creation of mist / aerosols. Ensure adequate ventilation when handling this product. Provide eye shower.
Measures to prevent fire	:	No special requirements
Measures to prevent aerosol and dust generation	:	Keep product confined in closed container. Avoid aerosol formation when working with liquid, gentle interaction with the product
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.

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 0 ° C and 10 ° C. Only in original packaging in a cool, well-ventilated place. Store away from sources of ignition, heat or flame

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 : -

8.2.2. Personal Protection Equipment



Respiratory Protection

Suitable respiratory protection for high concentrations or prolonged exposure.



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

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**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES****9.1 Information on basic physical and chemical properties**

Appearance	:	Yellow brown, clear liquid
Odor	:	Characteristic
Odor threshold	:	No data available
Specific gravity	:	1.0 Kg/l
Solubility in water	:	100%
Evaporation rate	:	No data available
Flash point	:	No data available
Critical Temperature	:	0°-26° C
pH	:	approx. 7 - 8
Freezing point (°C)	:	No data available
Boiling point (° C)	:	No data available
Flammability	:	No data available
Explosion limits	:	No data available

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	:	See Section 7
10.5 Incompatible materials	:	Strong oxidizing agents, strong acids, strong bases and chlorine bleaches
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	Not classified
Ingestion	Gastric disturbance, can cause diarrhea.
Eye damage/irritation	Not classified ; pH 7-8
Skin corrosion/irritation	Not classified ; pH 7-8
Respiratory or skin sensitization	Not classified
Carcinogenicity	Not classified
Reproductive toxicity	Not classified
Specific target organ toxicity (single exposure)	Not classified
Specific Target Organ Toxicity (Repeated Exposure)	Not classified (Based on available data, the classification criteria are not met)
Inhalation hazard	Not classified
Other indications of toxicity	Abuse can be harmful to health

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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	No relevant data available
12.4 Other adverse effects	No relevant data available
12.5 Other information	Do not allow uncontrolled release of product into the environment

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.

SECTION 14. TRANSPORT INFORMATION

14.1 UN Number	Mixture 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

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.

Contains no substances with Annex XVII restrictions, the product is not on the REACH candidate list and contains no REACH candidate substances and no REACH Annex XZV substances

15.1.2. National regulations

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

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

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.

N2Fix_2023

MSDS Created: 03-04-2023

Modified: -