MICROMIX SOIL

SAFETY DATA SHEET

Conforms to Regulation (EC) n°1907/2006 (REACH)

SECTION 1. Identification of the substance/mixture and of the company/enterprise

1.1 Product identifier

Product name : ***MICROMIX SOIL***

Product code : MMS

Product type : Organo-mineral fertilizer

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

1.2.1 Relevant identified uses

Main use category : Industrial, professional, consumers.

Use of the substance / mixture : Professional of the fertilizer for agricultural purposes.

: Professional use of the fertilizer in greenhouses.

: Professional use in agriculture, forestry and the fishing industry

1.2.2 Uses advised against

Do not use for any other purposes other than listed.

1.3 Details of the supplier of the safety data sheets

1.3.1 Address of the manufacturer / supplier

IB.ECO B.V.

Industrieterrein De Horsel

Daelderweg 22

6361 HK NUTH

Netherlands

Phone : +31 (0)45 5778305 - Fax : +31 (0)45 5778306

Website : www.ibeco.nl

1.3.2 E-mail address of the person responsible for this SDS

info@ibeco.nl

1.4 Emergency telephone number

Country	Organisation/Company	Address	Emergency number	Remark
United Kingdom	National Poisons Information Service (Belfast Centre) Royal Victoria Hospital	Grosvenor Road BT12 6BA Belfast	0344 892 0111	Only for the purpose of informing medical personnel in cases of acute intoxications
United Kingdom	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH Birmingham	0344 892 0111	Only for the purpose of informing medical personnel in cases of acute intoxications

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SECTION 2. Hazards identification

2.1 Classification of the substance or mixture

2.1.1 Classification according to Regulation (EC) No. 1272/2008 (CLP)

Classification : Not dangerous

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

Classification : Not dangerous

Human health hazards : None in particular

2.2 Label elements

2.2.1 Labelling in accordance with Regulation (EC) n°1272/2008 (CLP)

Hazard pictograms : Non applicable.

Signal word : Non applicable.

Hazardous component(s) : Non applicable

Hazard statements : Non applicable.

2.2.2 Precautionary statements

Prevention : P101 – If medical advice is needed, have product container or label at hand.
: P102 – Keep out of reach of children.

Response : Non applicable

2.3 Other Hazards

2.3.1 Substance/mixture meets the criteria for PBT according to Regulation (EC) No 1907/2006, Annex XIII
Non applicable.

2.3.2 Substance/mixture meets the criteria for vPvB according to Regulation (EC) No 1907/2006, Annex XIII
Non applicable.

2.3.3 Other hazards which do not give rise to a classification
Non applicable.

SECTION 3. Composition / information on ingredients

3.1 Substances

Non applicable.

3.2 Mixtures

Nom	Identifiers	%	Classification according to Regulation (EC) No. 1272/2008
* No substance to signal	(n°CAS) : (n°EC) : (Identification number EU) : (N° REACH = RRN) :		

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SECTION 4. First aid measures

4.1 Description of first aid measures

Inhalation:
Air the area. Move immediately the contaminated patient from the area and keep him at rest in a well ventilated area. If you feel unwell seek medical advice.

Direct contact with skin (of the pure product):
Wash thoroughly with soap and running water.

Direct contact with eyes (of the pure product):
Wash immediately and thoroughly with running water for at least 10 minutes.

Ingestion:
Not hazardous. It's possible to give activated charcoal in water or liquid paraffin medicine

4.2 Most important symptoms and effects, both acute and delayed

Symptoms/injuries after inhalation : No specific data

Symptoms/injuries after skin contact : No specific data

Symptoms/injuries after eye contact : No specific data

Symptoms/injuries after ingestion : No specific data

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician : In the case of consulting a doctor, keep container and the product label at disposal.
: In case of Inhalation of products of decomposition in a fire, the symptoms may be delayed. The exposed person may need to remain under medical supervision for 48 hours.

Specific treatments : No specific treatment.

SECTION 5. Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Adapt fire extinguishing measures to the environment. Water spray, CO_2, foam, chemical powder depending on the materials involved in the fire.

Unsuitable extinguishing media : Water jets. Use jets of water only to cool the surfaces of the containers exposed to fire.

5.2 Special hazards arising from the substance or mixture

Hazards from the substance or mixture : No specific data
Hazardous combustion products : No specific data.

5.3 Advice for firefighters

Special precautions and protective equipment for fire-fighters :

Use protection for the breathing apparatus Safety helmet and full protective suit.
The spray water can be used to protect the people involved in the extinction.
You may also use a self-respirator, especially when working in confined and poorly ventilated area and if you use halogenated extinguishers (Halon 1211 fluobrene, Solkan 123, NAF, etc...).
Keep containers cool with water spray.

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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 : Leave the area surrounding the spill or release. Do not touch or walk on the spilled product. Do not smoke.

6.1.2 For emergency responders : Wear gloves and protective clothing.
Eliminate all unguarded flames and possible sources of ignition. No smoking. Provision of sufficient ventilation. Evacuate the danger area and, if needed, consult an expert.

6.2 Environmental precautions

Contain spill with earth or sand.
If the product has entered a watercourse in sewers or has contaminated soil or vegetation, notify it to the authorities.
Discharge the remains in compliance with the regulations

6.3 Methods and material for containment and cleaning up

6.3.1 For containment : Contain the spillage. Recover the product for removal or reuse, if possible. Possibly absorb it with inert material (e.g. sand, vermiculite).
Prevent it from entering the sewer system.

6.3.2 Cleaning procedure(s) : Rinse the spilled surface thoroughly with water. Clean equipment and clothes.

6.3.3. Other information : Dispose of the product according to the degree and type of contamination, as fertilizer or in an authorized waste dump.

6.4 Reference to other sections

Refer to paragraphs 8 and 13 for more information.

SECTION 7. Handling and storage

7.1 Precautions for safe handling

Protective measures : Wear appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing.

General advice on personal health : Do not eat, drink or smoke when handling this product. Wash hands and other exposed body parts with a mild soap and water before eating, drinking, smoking, and before leaving work.
Contaminated work clothing should not get out of the workplace.

7.2 Conditions for safe storage, including any incompatibilities

Keep in original container closed tightly.
Do not store in open or unlabeled containers.
Keep containers upright and safe by avoiding the possibility of falls or collisions.
Store in a cool place, away from sources of heat and `direct exposure of sunlight.

7.3 Specific end use(s)

Agriculture, forestry, fishery.
Fertilizers

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SECTION 8. Exposure control / individual protection

8.1 Control parameters

No data available.

8.2 Exposure controls

8.2.1 Exposure controls

Agriculture, forestry, fishing industry : Use the product according to good agricultural practice. Provide sufficient ventilation to reduce exposure of the technician to contaminants in suspension in the air.

8.2.2 Personal protection equipment / Health measures

Thoroughly wash hands, forearms and face after handling chemical products, before eating, Smoking, going to the toilet and at the end of the working day. Wash contaminated clothing before reuse. A washing plant or water must be accessible for cleaning of the eyes and skin.

A) Eye / facial protection : Not needed for normal use.
B) Skin and body protection : Not needed for normal use.
C) Hand protection : Not needed for normal use.
D) Respiratory protection : Not needed for normal use
E) Thermal Hazards :. No hazard to report.

8.2.3 Environmental protection measures :

Use according to good working practices to avoid pollution into the environment.

SECTION 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical and chemical properties	Value
State of matter	Powder
Color	Grey/beige
Odor	Light smell
Odor threshold	Not determined
pH	8 - 9
Melting point/freezing point	Not determined
Initial boiling point and boiling range	Not determined
Flash point	Irrelevant
Evaporation rate	Not determined
Flammability (solid, gas)	Irrelevant
Upper/lower flammability or explosive limits	Irrelevant
Vapor pressure (at …°C)	Not determined
Vapor density (at …°C)	Not determined
Relative density (at …°C)	0,559 g/cm^3 (at 20°C)
Water Solubility	Not determined
Partition coefficient: n-octanol/water	Not determined
Auto ignition temperature	Not determined
Decomposition temperature	Not determined
Viscosity	Not determined
Explosive properties	Not explosive
Oxidizing properties	Not determined

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9.2 Other information

No data available.

SECTION 10. Stability and reactivity

10.1 Reactivity

The product is stable under normal conditions of use and storage.

10.2 Chemical stability

The product is stable under normal conditions of use and storage.

10.3 Possibility of hazardous reactions

There are no hazardous reactions.

10.4 Conditions to avoid

Avoid contamination with other products.

10.5 Incompatible materials

It can generate inflammable gases when in contact with elementary metals, nitrides, inorganic sulfide, strong reducing agents.
It can generate toxic gases when in contact with inorganic sulfide, strong reducing agents.

10.6 Hazardous decomposition products

Does not decompose when used as intended.

SECTION 11. Toxicological information

11.1 Information on toxicological effects

Oral ATE (LD50)	0.0 mg/kg
Dermal ATE (LD50)	0.0 mg/kg
Inhalation ATE (LC50)	0.0 mg/L/4h
Acute toxicity	Not applicable
Corrosion / irritation	Not applicable
Serious eye damage / irritation	Not applicable
sensitization of the respiratory tract or the skin	Not applicable
germ cell mutagenicity	Not applicable
carcinogenicity	Not applicable
reproductive toxicity	Not applicable
Specific target organ toxicity (STOT) single exposure	Not applicable (i) specific target organic toxicity (STOT)
Specific target organ toxicity (STOT) repeated exposure	Not applicable

SECTION 12. Ecological information

12.1 Toxicity

Product with no particular risk for the environment.
Use according to good working practices to avoid pollution into the environment.

12.2 Persistence and degradability

No data available

12.3 Bioaccumalative potential

No data available.

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12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

Substance/mixture meets the criteria for PBT/vPvB according to Regulation (EC) No 1907/2006, Annex XIII

12.6 Other adverse effects

No adverse effects.

SECTION 13. Disposal considerations

13.1 Waste treatment methods

It is recommended to avoid or minimize the production of waste. Do not remove significant amounts of residual waste from the product through the sewers. The disposal of this product, solutions and the by-products must at all times comply with the legal requirements for protection of the environment and the disposal of waste as well as the requirements of all local authorities..

Depending on the degree and the nature of the contamination, the product can be used in farming or must be disposed of in an approved center.

SECTION 14. Transport information

Requirements for transport of dangerous goods according to ADR,RID,ADN, IMDG, ICAO/IATA regulations

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
Not regulated	Not regulated	Not regulated	Not regulated	Not regulated
14.2. UN proper shipping name				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport hazard class(es)				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing group				
None	None	None	None	None
14.5. Environmental hazards				
None	None	None	None	None
No supplementary information available				

14.6 Special precautions for user

No data available.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

It is not intended to carry bulk.

SECTION 15. Regulatory information

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

15.1.1 EU Regulations

Contains no substances subject to restrictions in annex XVII of REACH.

15.1.2 National regulations

No additional information available.

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15.2 Chemical safety assessment

The evaluation of chemical safety for this mixture has not performed by the provider (annex XIV of REACH).

SECTION 16. Other information

16.1 Indication of changes

Version	: 1.1
Date of revision	: 01 / 01 / 2018
Date of issue	: 01 / 01 / 2018
Replaces version	: 1.0
Indication of changes	: In accordance with Commission Regulation (EU) n°1907/2006 (REACH), Annex II, modified by regulation (EU) n°2015/830. - **1.3.1 Address of the manufacturer / supplier** - **1.3.2.E-mail address of the person responsible for this SDS**
Source	: ECHA Website http://echa.europa.eu/

16.2 Abbreviations and acronyms

ADN = European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

ADR = European Agreement concerning the International Carriage of Dangerous Goods by Road

CAS = Chemical Abstracts Service

CLP = Classification, Labelling and Packaging

EC = European Community

EN = European Norm

EUH = European Hazard Statement

GHS = Globally Harmonised System of Classification and Labelling of Chemicals

IATA = International Air Transport Association

IMDG = International Maritime Dangerous Goods

MARPOL 73/78 = Marine Pollution, the International Convention for the Prevention of Pollution from Ships, 1973 as modified by the Protocol of 1978

PBT = Persistent, Bioaccumulative, Toxic

REACH = Registration, Evaluation and Autorisation of Chemicals

RID = Regulations concerning the International Carriage of Dangerous Goods by Rail

RRN = REACH Registration Number

vPvB = very Persistent, very Bioaccumulative.

16.3 Relevant R-phrases and/or H statements

P101 – If medical advice is needed, have product container or label at hand.
P102 – Keep out of reach of children.

16.4 Training advice

The staff handling this product, must be informed of the precautionary recommended measures and should have access to this information.

16.5 Further information

The information in this Safety Data Form is given in good faith and belief in its accuracy based on our knowledge of the substance/preparation concerned at the date of publication. It does not imply the acceptance of any legal liability or responsibility whatsoever by IBECO B.V. for the consequences of its use or misuse in any particular circumstances. In no case does this dispense the user of the product from compliance with all laws, decrees and regulations existing relative to the product and to health and hygiene and work safety standards. Drawn up according to the provisions of form EFMA (European Fertilizer Manufacturers' Association), and according to ECHA.

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