



SAFETY DATA SHEET

according to Regulation (EU) 2020/878

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Biomex Plus

Revision 3

Revision date 2023-01-30

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

1.1. Product identifier

Product name	Biomex Plus
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1.2. Relevant identified uses of the substance or mixture and uses advised against

Product Use	[SU22] Professional uses: Public domain (administration, education, entertainment, services, craftsmen); [PC12] Fertilizers;
Description	Fertiliser.

1.3. Details of the supplier of the safety data sheet

Company	Omex Agriculture Ltd
Address	Bardney Airfield Tupholme Lincoln LN3 5TP United Kingdom
Web	www.omex.co.uk
Telephone	01526 396000
Fax	01526 396001
Email	enquire@omex.com
Email address of the competent person	Safety@omex.com

1.4. Emergency telephone number

Emergency telephone number	+44 (0) 1553817500
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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

2.1.2. Classification - EC 1272/2008	Eye Dam. 1: H318; Aquatic Chronic 2: H411;
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2.2. Label elements

Hazard pictograms	
Signal Word	Danger
Hazard Statement	Eye Dam. 1: H318 - Causes serious eye damage. Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Precautionary Statement: Prevention	P273 - Avoid release to the environment. P280 - Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary Statement: Response	P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 - Immediately call a POISON CENTER/doctor/ physician.

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2.2. Label elements

Precautionary Statement: Disposal	P391 - Collect spillage.
	P501 - Dispose of contents/container to waste collection or recycling, after thorough rinsing, if in compliance with local and national regulations

2.3. Other hazards

Other hazards	None known.
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SECTION 3: Composition/information on ingredients

3.2. Mixtures

EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
Potassium phosphite		13977-65-6	604-162-9			Eye Irrit. 2: H319;
Disodium EDTA		139-33-3	205-358-3	01-2119486775-20		Eye Irrit. 2: H319; Aquatic Chronic 3: H412;
Zinc disodium ethylenediaminetetraacetate		14025-21-9	237-865-0	01-2119963942-27		

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Move the exposed person to fresh air. Seek medical attention if irritation or symptoms persist.
Eye contact	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention.
Skin contact	Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.
Ingestion	DO NOT INDUCE VOMITING. Never give anything by mouth to an unconscious person. Rinse mouth thoroughly. Seek medical attention if irritation or symptoms persist.

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

Inhalation	May cause irritation to respiratory system.
Eye contact	Causes serious eye damage.
Skin contact	May cause irritation to skin.
Ingestion	May cause irritation to mucous membranes.

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

Inhalation	Move the exposed person to fresh air. Seek medical attention if irritation or symptoms persist.
Eye contact	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention.
Skin contact	Remove contaminated clothing. Wash off immediately with plenty of soap and water. Seek medical attention if irritation or symptoms persist.
Ingestion	DO NOT INDUCE VOMITING. Never give anything by mouth to an unconscious person. Rinse mouth thoroughly. Seek medical attention if irritation or symptoms persist.

SECTION 5: Firefighting measures

5.1. Extinguishing media

	Use extinguishing media appropriate to the surrounding fire conditions.
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5.2. Special hazards arising from the substance or mixture

	Burning produces irritating, toxic and obnoxious fumes.
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5.3. Advice for firefighters

	Wear suitable respiratory equipment when necessary.
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SECTION 6: Accidental release measures

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6.1. Personal precautions, protective equipment and emergency procedures

	Ensure adequate ventilation of the working area. Adopt best Manual Handling considerations when handling, carrying and dispensing. Avoid contact with eyes and skin.
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6.2. Environmental precautions

	Do not allow product to enter drains. Prevent further spillage if safe.
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6.3. Methods and material for containment and cleaning up

	Absorb with inert, absorbent material. Sweep up. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water. Do not allow runoff water to enter sewers or drains.
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6.4. Reference to other sections

	See section 2, 8, 13 for further information.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

	Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Adopt best Manual Handling considerations when handling, carrying and dispensing.
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7.2. Conditions for safe storage, including any incompatibilities

	Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Store in correctly labelled containers.
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7.3. Specific end use(s)

	Fertiliser.
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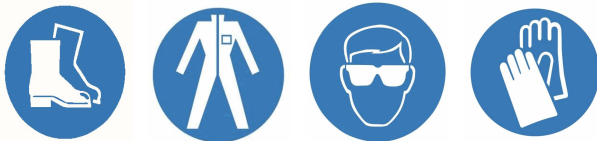
SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. Exposure Limit Values

Zinc disodium ethylenediaminetetraacetate	WEL 8-hr limit ppm:	WEL 8-hr limit mg/m ³ : 10
	WEL 15 min limit ppm:	WEL 15 min limit mg/m ³ : 3
	WEL 8-hr limit mg/m ³ total - inhalable dust:	WEL 15 min limit mg/m ³ total - inhalable dust:
	WEL 8-hr limit mg/m ³ total - respirable dust:	WEL 15 min limit mg/m ³ total - respirable dust:

8.2. Exposure controls

	
8.2.1. Appropriate engineering controls	Ensure adequate ventilation of the working area.
8.2.2. Individual protection measures	Adopt best Manual Handling considerations when handling, carrying and dispensing. Avoid contact with eyes and skin.
Eye / face protection	Approved safety goggles.
Skin protection - Handprotection	Chemical resistant gloves (PVC).
Skin protection - Other	Wear suitable protective clothing, gloves and eye/face protection.
Respiratory protection	Not normally required. [In case of inadequate ventilation] wear respiratory protection.

SECTION 9: Physical and chemical properties

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9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Blue/Green
Odour	Slight
Flammability (solid, gas)	Not applicable.
pH	4.2 - 5.75
Autoignition temperature	Not applicable.
Melting point	No data available
Explosive properties	Not applicable.
Density / Relative Density	1.32 - 1.36 (H ₂ O = 1 @ 20 °C)
Oxidising properties	Not applicable.
Relative Vapour Density	Not applicable.
Partition coefficient	Not determined
Odour threshold	Not applicable.
Viscosity	Not determined
Evaporation rate	Not determined
Initial boiling point	Not determined
Vapour pressure	Not determined
Solubility	Soluble in water

9.2. Other information

Specific gravity	1.32 - 1.36 g/cm ³
Gas group	Not applicable.
Lead content	Not determined
Surface tension	Not determined
VOC (Volatile organic compounds)	Not determined
Benzene Content	Not determined
Conductivity	Not determined

Water solubility

	Soluble in water.
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SECTION 10: Stability and reactivity

10.1. Reactivity

	Avoid contact with: Strong bases.
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10.2. Chemical stability

	Stable under normal conditions.
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10.3. Possibility of hazardous reactions

	No data is available on this product.
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10.4. Conditions to avoid

	Burning produces obnoxious and irritating fumes.
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10.5. Incompatible materials

	Strong bases.
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10.6. Hazardous decomposition products

	No data is available on this product.
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SECTION 11: Toxicological information

11.1 Information on hazard classes

Acute toxicity	No data is available on this product.
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11.1 Information on hazard classes

Skin corrosion/irritation	No Significant Hazard.
Serious eye damage/irritation	Causes serious eye damage.
Respiratory or skin sensitisation	No data is available on this product.
Germ cell mutagenicity	No data is available on this product.
Carcinogenicity	No data is available on this product.
Reproductive toxicity	No data is available on this product.
STOT-single exposure	No data is available on this product.
STOT-repeated exposure	No data is available on this product.
Aspiration hazard	No data is available on this product.
Repeated or prolonged exposure	No data is available on this product.

11.1.3. Hazard Information

	Causes serious eye damage.
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11.1.4. Toxicological Information

Zinc disodium ethylenediaminetetraacetate	Inhalation Rat LC50/4 h: 2.75	Oral Rat LD50: 5000mg/kg
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SECTION 12: Ecological information

12.1. Toxicity

	Not determined	
Organic Acid	NOEC / EC10 for marine or freshwater organisms 0.4400 mg/l	EC50 for marine or freshwater organisms 0.0440 mg/l
	No data is available on this product.	

12.2. Persistence and degradability

	No data is available on this product.
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12.3. Bioaccumulative potential

	No data is available on this product.
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Partition coefficient

	Biomex Plus Not determined	Disodium EDTA No data available
	Zinc disodium ethylenediaminetetraacetate No data available	

12.4. Mobility in soil

	No data is available on this product.
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12.5. Results of PBT and vPvB assessment

	Caution - substance not yet fully tested.
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12.6 Endocrine disrupting properties

	Toxic to aquatic life with long lasting effects.
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SECTION 13: Disposal considerations

13.1. Waste treatment methods

	This material and its container must be disposed of in a safe way.
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Disposal methods

	Contact a licensed waste disposal company.
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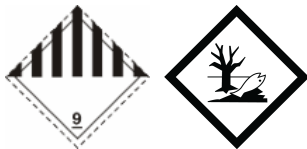
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Disposal of packaging

Do NOT reuse empty containers. Empty containers can be sent for disposal or recycling.

SECTION 14: Transport information

Hazard pictograms



14.1. UN number

UN3082

14.2. UN proper shipping name

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Contains Zinc Sulphate)

14.3. Transport hazard class(es)

ADR/RID	9
Subsidiary risk	-
IMDG	9
Subsidiary risk	-
IATA	9
Subsidiary risk	-

14.4. Packing group

Packing group III

14.5. Environmental hazards

Environmental hazards	Yes
Marine pollutant	Yes

14.6. Special precautions for user

Adopt best Manual Handling considerations when handling, carrying and dispensing.

14.7 Maritime Transport in bulk according to IMO instruments

Not applicable.

ADR/RID

Hazard ID	90
Tunnel Category	(E)

IMDG

EmS Code F-A S-F

IATA

Packing Instruction (Cargo)	964
Maximum quantity	450 L
Packing Instruction (Passenger)	964
Maximum quantity	450 L

SECTION 15: Regulatory information

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

Regulations COMMISSION REGULATION (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation,

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

Authorisation and Restriction of Chemicals (REACH). REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

SECTION 16: Other information

Other information

Revision

This document differs from the previous version in the following areas:
2 - 2.1. Classification of the substance or mixture.
2 - Hazard pictograms.
15 - Risk phrases.

Text of Hazard Statements in Section 3

Eye Irrit. 2: H319 - Causes serious eye irritation.
Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.

Further information

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.