

SAFETY DATA SHEET

according to Regulation (EU) 2020/878

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Vitomex

Revision 14

Revision date 2023-02-27

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

1.1. Product identifier

Product name	Vitomex
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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); [SU1] Agriculture, forestry, fishery; [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	Skin Irrit. 2: H315; Eye Dam. 1: H318; Aquatic Chronic 2: H411;
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2.2. Label elements

Hazard pictograms	
Signal Word	Danger
Hazard Statement	Skin Irrit. 2: H315 - Causes skin irritation. Eye Dam. 1: H318 - Causes serious eye damage. Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.
Precautionary Statement: Prevention	P264 - Wash thoroughly after handling. P273 - Avoid release to the environment. P280 - Wear protective gloves/protective clothing/eye protection/face protection.

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2.2. Label elements

Precautionary Statement: Response	P302+P352 - IF ON SKIN: Wash with plenty of water/ . 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/ . P321 - Specific treatment (see on this label). P332+P313 - If skin irritation occurs: Get medical advice/attention. P391 - Collect spillage.
Precautionary Statement: Disposal	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	No data is available on this product.
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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 hydroxide	019-002-00-8	1310-58-3	215-181-3		1 - 10%	Acute Tox. 4: H302; Skin Corr. 1A: H314;
phosphonic acid, potassium salt (1:1)		13977-65-6	604-162-9		30 - 40%	Eye Irrit. 2: H319;
Disodium EDTA		139-33-3	205-358-3	01-2119486775-20	1 - 10%	Eye Irrit. 2: H319; Aquatic Chronic 3: H412;
Zinc disodium ethylenediaminetetraacetate		14025-21-9	237-865-0	01-2119963942-27	1 - 10%	

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Move the exposed person to fresh air.
Eye contact	Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Remove contact lenses, if present and easy to do. Continue rinsing.
Skin contact	Wash off immediately with plenty of soap and water. Remove contaminated clothing.
Ingestion	DO NOT INDUCE VOMITING. Rinse mouth thoroughly. Never give anything by mouth to an unconscious person.

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

Inhalation	Inhalation may cause coughing, tightness of the chest and irritation of the respiratory system.
Eye contact	Causes serious eye damage.
Skin contact	Causes skin irritation.
Ingestion	May cause irritation to mucous membranes. Ingestion may cause nausea and vomiting.

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

Inhalation	Seek medical attention if irritation or symptoms persist.
Eye contact	Seek medical attention.
Skin contact	Seek medical attention.
Ingestion	DO NOT INDUCE VOMITING. 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. Cool fire exposed containers with waterspray.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation of the working area. Wear suitable protective equipment.

6.2. Environmental precautions

Do not allow product to enter drains. Prevent further spillage if safe.

6.3. Methods and material for containment and cleaning up

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.

6.4. Reference to other sections

See section 2, 8, 13 for further information.

Further information

Toxic to aquatic life with long lasting effects.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

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

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.

7.3. Specific end use(s)

See section 1.2 for further information.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure controls.

8.1.1. Exposure Limit Values


Potassium hydroxide	WEL 8-hr limit ppm: -	WEL 8-hr limit mg/m3: -
	WEL 15 min limit ppm: -	WEL 15 min limit mg/m3: 2
	WEL 8-hr limit mg/m3 total inhalable dust: -	WEL 15 min limit mg/m3 total inhalable dust: -
	WEL 8-hr limit mg/m3 total respirable dust: -	WEL 15 min limit mg/m3 total respirable dust: -
Zinc disodium ethylenediaminetetraacetate	WEL 8-hr limit ppm: -	WEL 8-hr limit mg/m3: 10
	WEL 15 min limit ppm: -	WEL 15 min limit mg/m3: 3
	WEL 8-hr limit mg/m3 total inhalable dust: -	WEL 15 min limit mg/m3 total inhalable dust: -
	WEL 8-hr limit mg/m3 total respirable dust: -	WEL 15 min limit mg/m3 total respirable dust: -

8.2. Exposure controls

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8.2. Exposure controls

	
8.2.1. Appropriate engineering controls	Ensure adequate ventilation of the working area.
8.2.2. Individual protection measures	Wear chemical protective clothing.
Eye / face protection	Approved safety goggles.
Skin protection - Handprotection	Chemical resistant gloves (PVC).
Respiratory protection	Wear: Suitable respiratory equipment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Blue
Odour	Slight
pH	4.5 - 5.8
Density / Relative Density	1.35 - 1.38 (H ₂ O = 1 @ 20 °C)
Vapour pressure	Not determined
Melting point	Not determined
Initial boiling point	Not determined
Evaporation rate	Not determined
Partition coefficient	Not determined
Viscosity	Not determined
Explosive properties	Not applicable.
Oxidising properties	Not applicable.
Autotemperature	Not applicable.
Flammability (solid, gas)	Not applicable.
Odour threshold	Not applicable.
Flash point	Not applicable.
Relative Vapour Density	Not applicable.
Solubility	Soluble in water

9.2. Other information

Specific gravity	1.35 - 1.38 g/cm ³
Lead content	Not determined
VOC (Volatile organic compounds)	Not determined
Benzene Content	Not determined
Conductivity	Not determined
Surface tension	Not determined
Gas group	Not applicable.

SECTION 10: Stability and reactivity

10.1. Reactivity

	Stable under normal conditions.
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10.2. Chemical stability

	Stable under normal conditions.
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10.3. Possibility of hazardous reactions

Strong acids and strong bases.

10.4. Conditions to avoid

Avoid sparks, flames, heat and sources of ignition.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Burning produces irritating, toxic and obnoxious fumes.

SECTION 11: Toxicological information

11.1 Information on hazard classes

Acute toxicity	Causes serious eye damage.
Skin corrosion/irritation	Causes skin irritation.
Serious eye damage/irritation	Causes serious eye damage.
Respiratory or skin sensitisation	No sensitization effects reported.
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	Avoid prolonged or repeated exposure.

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
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12.2. Persistence and degradability

No data is available on this product.

12.3. Bioaccumulative potential

No data is available on this product.

Partition coefficient

	Vitomex 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.

12.5. Results of PBT and vPvB assessment

No data is available on this product.

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12.6 Endocrine disrupting properties

No data is available on this product.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

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

General information

Contact a licensed waste disposal company.

Disposal methods

Do not empty into drains; dispose of this material and its container in a safe way.

Disposal of packaging

Do NOT reuse empty containers. This material and its container must be disposed of in a safe way.

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
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14.5. Environmental hazards

Environmental hazards	Yes
Marine pollutant	Yes

ADR/RID

Hazard ID	90
Tunnel Category	(E)

IMDG

EmS Code	F-A S-F
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IATA

Packing Instruction (Cargo)	964
Maximum quantity	450 L

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IATA	
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, 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.
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15.2. Chemical safety assessment

	No data is available on this product.
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SECTION 16: Other information

Other information

Revision	This document differs from the previous version in the following areas: 2 - Hazard pictograms.
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.
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