



SAFETY DATA SHEET

according to Regulation (EU) 2020/878

Page 1/8

Zynergy

Revision 23
Revision date 2023-09-25

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

1.1. Product identifier

Product name	Zynergy
Other means of identification / UFI	GUR2-F0WG-400V-JYT1.

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	Eye Dam. 1: H318; Aquatic Acute 1: H400; 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 Acute 1: H400 - Very toxic to aquatic life. 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.

Zynergy

Revision 23
Revision date 2023-09-25

2.2. Label elements

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/ . P391 - Collect spillage.
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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
Organic Acid		77-92-9	201-069-1	01-2119457026-42		Eye Irrit. 2: H319;
Zinc Sulphate Monohydrate		7446-19-7	231-793-3	01-2119474684-27		Acute Tox. 4: H302; Eye Dam. 1: H318; Aquatic Chronic 1: H410;
Copper sulphate	029-004-00-0	7758-98-7	231-847-6			Acute Tox. 4: H302; Eye Irrit. 2: H319; Skin Irrit. 2: H315; Aquatic Acute 1: H400; Aquatic Chronic 1: H410;
Carboxylic Acid		6915-15-7	230-022-8	01-2119552463-40		Eye Irrit. 2: H319;

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	Remove contact lenses, if present and easy to do. Continue rinsing. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. 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	Rinse mouth thoroughly. Never give anything by mouth to an unconscious person. DO NOT INDUCE VOMITING. 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	Seek medical attention.
Skin contact	Seek medical attention if irritation or symptoms persist.
Ingestion	DO NOT INDUCE VOMITING. Never give anything by mouth to an unconscious person. 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

Zynergy

Revision 23
Revision date 2023-09-25

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. Adopt best Manual Handling considerations when handling, carrying and dispensing. Avoid contact with eyes and skin. Wear protective clothing.

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

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.

Further information

See section 2, 8, 13 for further information.

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.

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

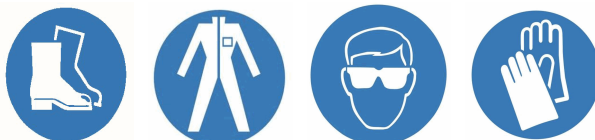
8.1. Control parameters

Occupational exposure controls.

8.1.1. Exposure Limit Values

Organic Acid	WEL 8-hr limit ppm:	WEL 8-hr limit mg/m3:
	WEL 15 min limit ppm:	WEL 15 min limit mg/m3:
	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:
	10mg/m3	4mg/m3

8.2. Exposure controls



8.2.1. Appropriate engineering controls

Ensure adequate ventilation of the working area.

8.2.2. Individual protection measures

Wear protective clothing.

Eye / face protection

Approved safety goggles.

Zynergy

Revision 23
Revision date 2023-09-25

8.2. Exposure controls

Skin protection - Handprotection	Chemical resistant gloves (PVC).
Respiratory protection	Not normally required. Wear suitable respiratory equipment when necessary.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Blue
Odour	Mild
pH	0.65 - 1.65
Initial boiling point	No data available
Density / Relative Density	1.24 - 1.28 (H ₂ O = 1 @ 20 °C)
Melting point	No data available
Flash point	No data available
Solubility	Soluble in water
Flammability (solid, gas)	No data available
Autoignition temperature	No data available
Explosive properties	No data available
Oxidising properties	No data available
Vapour pressure	No data available
Partition coefficient (P)	No data available
Viscosity	No data available
Relative Vapour Density	No data available
Evaporation rate	No data available
Freezing Point	No data available
Fat Solubility	No data available
Odour threshold	No data available

9.2. Other information

Specific gravity	1.24 - 1.28 g/cm ³
Conductivity	No data available
Gas group	No data available
Surface tension	No data available
VOC (Volatile organic compounds)	No data available
Benzene Content	No data available
Lead content	No data available

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.
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10.4. Conditions to avoid

	Strong acids and strong bases.
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10.5. Incompatible materials

	Will not decompose if stored and used as recommended.
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Zynergy

Revision 23
Revision date 2023-09-25

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	May cause irritation to skin.
Serious eye damage/irritation	Causes serious eye damage.
Respiratory or skin sensitisation	May cause irritation to respiratory system. May cause irritation to skin.
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	Avoid prolonged or repeated exposure.
Aspiration hazard	No data is available on this product.
Repeated or prolonged exposure	Avoid prolonged or repeated exposure.

11.1.4. Toxicological Information

Carboxylic Acid	Oral Rat LD50: >3200 mg/kg
Copper sulphate	Dermal Rat LD50: >2000mg/kg Oral Rat LD50: 300mg/kg
Organic Acid	Dermal Rat LD50: >2000mg/kg Oral Mouse LD50: 5400mg/kg Oral Rat LD50: >2000mg/kg Dermal Rabbit LD50: >2000mg/kg

SECTION 12: Ecological information

12.1. Toxicity

	No data available
Organic Acid	NOEC / EC10 for marine or freshwater organisms 0.4400 mg/l EC50 for marine or freshwater organisms 0.0440 mg/l

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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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

	Caution - substance not yet fully tested.
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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. Do not allow product to enter drains. Do not allow runoff water to enter sewers or drains.
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General information

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

Revision 23
Revision date 2023-09-25

Disposal methods

Do not empty into drains; dispose of this material and its container in a safe way. Contact a licensed waste disposal company.

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. ((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

Not applicable.

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

Further information

Zynergy

Revision 23
Revision date 2023-09-25

Further information

UN3082/3077 Exemption Environmentally Hazardous Substances/Marine Pollutants, Special Provisions – 375 ADR (road), IATA A197 (Air) & IMDG (sea) 2.10.2.7
Environmental/Aquatic/Marine pollutants packaged in single or combination packagings containing a net quantity per single or inner packaging of 5L or less for liquids, or having a net mass per single or inner packaging of 5 kg or less for solids are not subject to any other provisions of this Code relevant to marine pollutants provided the packagings meet the general provisions.

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). COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning 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.

15.2. Chemical safety assessment

No data is available on this product.

SECTION 16: Other information

Other information

Revision

This document differs from the previous version in the following areas:
14 - Further information.

Acronyms

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways;
ADR - Agreement concerning the International Carriage of Dangerous Goods by Road;
AIIIC - Australian Inventory of Industrial Chemicals;
ASTM - American Society for the Testing of Materials; bw - Body weight;
CMR - Carcinogen, Mutagen or Reproductive Toxicant;
DIN - Standard of the German Institute for Standardisation;
DSL - Domestic Substances List (Canada);
ECx - Concentration associated with x% response;
ELx - Loading rate associated with x% response;
EmS - Emergency Schedule;
ENCS - Existing and New Chemical Substances (Japan);
ErCx - Concentration associated with x% growth rate response;
GHS - Globally Harmonized System;
GLP - Good Laboratory Practice;
IARC - International Agency for Research on Cancer;
IATA - International Air Transport Association;
IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk;
IC50 - Half maximal inhibitory concentration;
ICAO - International Civil Aviation Organization;
IECSC - Inventory of Existing Chemical Substances in China;
IMDG - International Maritime Dangerous Goods;
IMO - International Maritime Organization;
ISHL - Industrial Safety and Health Law (Japan);
ISO - International Organisation for Standardization;
KECI - Korea Existing Chemicals Inventory;
LC50 - Lethal Concentration to 50 % of a test population;

Zynergy

Revision 23
Revision date 2023-09-25

Other information

	<p>LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; N.O.S. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative.</p>
Text of Hazard Statements in Section 3	<p>Eye Irrit. 2: H319 - Causes serious eye irritation. Acute Tox. 4: H302 - Harmful if swallowed. Eye Dam. 1: H318 - Causes serious eye damage. Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects. Skin Irrit. 2: H315 - Causes skin irritation. Aquatic Acute 1: H400 - Very toxic to aquatic life.</p>

Further information

	<p>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.</p>
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