

# SAFETY DATA SHEET

according to Regulation (EU) 2015/830

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## Zynergy

Revision 2  
Revision date 2019-05-15

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

#### 1.1. Product identifier

Product name	Zynergy
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#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Description	Fertiliser.
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#### 1.3. Details of the supplier of the safety data sheet

Company	Omex Agrifluids Ltd
Address	Saddlebow Road King's Lynn Norfolk PE34 3JA United Kingdom
Web	www.omex.co.uk
Telephone	+44 (0)1553 817500
Fax	+44 (0)1553 817501
Email	enquire@omex .com
Email address of the competent person	Agrifluids@omex.com
Local Supplier	
Company	Omex Agrifluids Ltd
Address	Saddlebow Road King's Lynn Norfolk PE34 3JA UK
Telephone	+44 (0)1553 817500
Fax	+44 (0)1553 817501
Email	enquire@omex .com

#### 1.4. Emergency telephone number

Emergency telephone number	+44 (0)1553 817500 08:00-17:00 GMT
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### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture


2.1.1. Classification - 1999/45/EC	Xi; R41 N; R51/53 Symbols: Xi: Irritant. N: Dangerous for the environment.
Main hazards	Risk of serious damage to eyes. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
2.1.2. Classification - EC 1272/2008	Eye Dam. 1: H318; Aquatic Chronic 1: H410;

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## 2.2. Label elements

<b>Hazard pictograms</b>	
<b>Signal Word</b>	Danger
<b>Hazard Statement</b>	Eye Dam. 1: H318 - Causes serious eye damage. Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
<b>Precautionary Statement: Prevention</b>	P273 - Avoid release to the environment. P280 - Wear protective gloves/protective clothing/eye protection/face protection.
<b>Precautionary Statement: Response</b>	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.
<b>Precautionary Statement: Disposal</b>	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

<b>Other hazards</b>	No data is available on this product.
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## SECTION 3: Composition/information on ingredients

## 3.2. Mixtures

## 67/548/EEC / 1999/45/EC

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
Organic Acid		5949-29-1	201-069-1	01-2119457026-42		Xi; R36	
Zinc sulphate (anhydrous)	030-006-00-9	7733-02-0	231-793-3			Xn; R22 Xi; R41 N; R50/53	
Copper sulphate	029-004-00-0	7758-98-7	231-847-6			Xn; R22 Xi; R36/38 N; R50/53	M=10
Carboxylic Acid		6915-15-7	230-022-8	01-2119552463-40		Xi; R36	

## EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
Organic Acid		5949-29-1	201-069-1	01-2119457026-42		Eye Irrit. 2: H319;	
Zinc sulphate (anhydrous)	030-006-00-9	7733-02-0	231-793-3			Acute Tox. 4: H302; Eye Dam. 1: H318; Aquatic Acute 1: H400; 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;	M=10
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

<b>Inhalation</b>	Move the exposed person to fresh air. Seek medical attention if irritation or symptoms persist.
<b>Eye contact</b>	Rinse eyes thoroughly (min. 15 mins.) with plenty of water holding the eyelids opened. Remove contact lenses if present and easy to do so. Continue rinsing. Seek medical attention.
<b>Skin contact</b>	Wash affected area thoroughly with soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.
<b>Ingestion</b>	DO NOT INDUCE VOMITING. Rinse mouth thoroughly. Never give anything by mouth to an unconscious person. Seek medical attention if irritation or symptoms persist.

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## 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	Rinse eyes thoroughly (min. 15 mins.) with plenty of water holding the eyelids opened. Remove contact lenses if present and easy to do so. Continue rinsing. Seek medical attention.
Skin contact	Wash affected area thoroughly with soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.
Ingestion	DO NOT INDUCE VOMITING. Rinse mouth thoroughly. 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

	Wear suitable respiratory equipment when necessary.
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## 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.
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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

	Personal protection equipment - See section 8.
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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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### Suitable packaging

	Plastic containers.
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## SECTION 8: Exposure controls/personal protection

## Zynergy

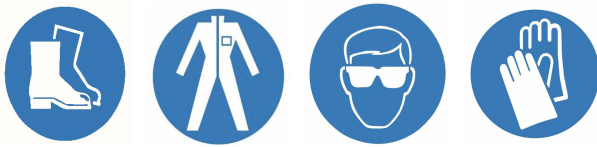
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## 8.1. Control parameters

	Contains no substances with occupational exposure limit values.
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## 8.2. Exposure controls

	
8.2.1. Appropriate engineering controls	Ensure adequate ventilation of the working area.
Eye / face protection	Close fitting eye protection to the E166.4 standard should be worn to minimise contact.
Skin protection - Handprotection	Wear gloves. Gloves must be in accordance with EN374-3, tested with chemical K & L from the standard EN list. Gloves should have a minimum breakthrough time of 60 minutes for short-term handling operations. Consult with your glove supplier for advice on your specific requirements. Good glove hygiene and housekeeping practices should be followed.
Skin protection - Other	Cover skin to minimise contact. Remove and wash contaminated clothing.
Respiratory protection	Not normally required. Wear respiratory protection if ventilation is inadequate. Respiratory protection should meet EN149 for a half face mask or EN136 for a full face mask, associated filters should meet the EN14387 standard, type B or E. Contact your supplier for advice on your specific application.

## SECTION 9: Physical and chemical properties

## 9.1. Information on basic physical and chemical properties

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

## 9.2. Other information

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

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**SECTION 10: Stability and reactivity****10.1. Reactivity**

No data is available on this product.

**10.2. Chemical stability**

Stable under normal conditions.

**10.3. Possibility of hazardous reactions**

Strong acids and strong bases.

**10.4. Conditions to avoid**

Strong acids and strong bases.

**10.5. Incompatible materials**

Will not decompose if stored and used as recommended.

**10.6. Hazardous decomposition products**

Burning produces irritating, toxic and obnoxious fumes.

**SECTION 11: Toxicological information****11.1. Information on toxicological effects**

Acute toxicity	No data is available on this product.
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.
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.

**11.1.4. Toxicological Information**

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

**SECTION 12: Ecological information****12.1. Toxicity**

No data available

**12.2. Persistence and degradability**

No data is available on this product.

**12.3. Bioaccumulative potential****Partition coefficient**

Zynergy	No data available	Organic Acid	Not determined
Copper sulphate	Not applicable.	Carboxylic Acid	No data available

**12.4. Mobility in soil**

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## 12.4. Mobility in soil

No data is available on this product.

## 12.5. Results of PBT and vPvB assessment

Caution - substance not yet fully tested.

## 12.6. Other adverse effects

Caution - substance not yet fully tested.

**SECTION 13: Disposal considerations**

## 13.1. Waste treatment methods

Dispose of in compliance with all local and national regulations.

## General information

Dispose of in compliance with all local and national regulations.

## 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. Empty containers can be cleaned with water. Containers must be recycled in compliance with national legislation and environmental regulations.

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

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

Not applicable.

## 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
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) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on 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. 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.

## SECTION 16: Other information

## Other information

Revision	This document differs from the previous version in the following areas:. 4 - Skin contact. 4 - Eye contact. 4 - Inhalation. 4 - Ingestion. 4 - Ingestion. 4 - Inhalation. 4 - Eye contact. 4 - Skin contact. 4 - Ingestion. 8 - 8.1. Control parameters. 14 - Further information.
Text of risk phrases in Section 3	R22 - Harmful if swallowed. R36/38 - Irritating to eyes and skin. R36 - Irritating to eyes. R41 - Risk of serious damage to eyes. R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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## Other information

<b>Text of Hazard Statements in Section 3</b>	Eye Irrit. 2: H319 - Causes serious eye irritation. Acute Tox. 4: H302 - Harmful if swallowed. Eye Dam. 1: H318 - Causes serious eye damage. Aquatic Acute 1: H400 - Very toxic to aquatic life. Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects. Skin Irrit. 2: H315 - Causes skin irritation.
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## 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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