

SAFETY DATA SHEET

LS0011 – CAMPYLOBACTER GROWTH SUPPLEMENT

According to Regulation (EC) No 1907/2006

CREATION DATE: 24/02/2015

REVISION DATE: 22/12/2023

REVISION NUMBER: 5

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name	Campylobacter Growth Supplement
Product code	LS0011-V001-500
	LS0011-V001-1000

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

Description	Culture media. <i>In vitro</i> diagnostic use. For professional use only.
Uses advised against	None known.

1.3. Details of the supplier of the safety data sheet

Company	E&O Laboratories Limited
Address	Burnhouse Bonnybridge Scotland FK4 2HH United Kingdom
Website	www.eolabs.com
Telephone	+ 44 (0) 1324 840404
Fax	+ 44 (0) 1324 841314
Email	enquiries@eolabs.com

1.4. Emergency telephone number

Telephone (24hr)	999 (Emergency - UK), 112 (Emergency - EU member states) 111 (NHS24 Scotland and NHS Direct England & Wales)
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2. HAZARDS IDENTIFICATION

2.1. Hazards identification

Main hazards	Acute Tox.4:H302 Skin Irrit.2:H315 Skin Sens.1B:H317 Eye Dam.1:H318 Aquatic Chronic 3:H412
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2.2 Label elements



Hazard pictograms

Signal word

Hazard statement

Danger

Acute Tox.4:H302
Skin Irrit.2:H315
Skin Sens.1B:H317
Eye Dam.1:H318
Aquatic Chronic 3:H412

Harmful if swallowed.
Causes skin irritation.
May cause an allergic skin reaction.
Causes serious eye damage.
Harmful to aquatic life with long lasting effects.

Precautionary statement prevention

P261	Avoid breathing dust.
P264	Wash contaminated skin thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective gloves/clothing and eye/face protection.

Precautionary statement response

P301+P312	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
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 or doctor/physician.
P330	Rinse mouth.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P362	Take off contaminated clothing and wash before reuse.

2.3 Other hazards

This substance/mixture contains no ingredients considered to be persistent, bioaccumulative and toxic (PBT), or very persistent and very Bioaccumulative (VPvB) at levels 0.1% or higher.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Chemical name	CAS No. EC No.	Concentration (%w/w)	Classification
Iron (II) sulphate heptahydrate	7782-63-0 231-753-5	25-30%	Acute Tox.4:H302 Skin Irrit.2:H315 Eye Irrit.2:H319 Aquatic Chronic 3:H412
Sodium metabisulfite	7681-57-4 231-673-0	25-30%	Acute Tox.4:H302 Eye Dam.1:H318
Sodium pyruvate	113-24-6 204-024-4	25-30%	Skin Sens.1B:H317 Eye Irrit.2:H319

Acute Tox.4:H302
Skin Irrit.2:H315
Skin Sens.1B:H317
Eye Dam.1:H318
Eye Irrit.2:H319
Aquatic Chronic 3:H412

Harmful if swallowed.
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4. FIRST AID MEASURES

4.1. Description of first aid measures

General advice
Inhalation
Eye contact

Seek medical advice.
If breathed in, move person into fresh air.
Rinse immediately with plenty of water, remove contact lenses and seek medical attention.

Skin contact
Ingestion

Wash the contaminated area with water.
Rinse mouth with water. Do not induce vomiting.

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

Inhalation	May be an irritant to respiratory system.
Eye contact	Causes severe eye damage.
Skin contact	May be an irritant to skin. May cause sensitisation or allergic reactions in sensitive individuals.
Ingestion	Ingestion may cause nausea and vomiting. May cause sensitisation or allergic reactions in sensitive individuals.
Additional	See sections 2.2 and 11.

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

Treat symptomatically. Symptoms may be delayed.

5. FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media	Use extinguishing media appropriate to the surrounding fire conditions. Carbon dioxide, dry chemical, water spray or foam.
Unsuitable extinguishing media	None known.

5.2. Special hazards arising from the substance or mixture

Thermal decomposition may liberate irritating gases and vapours, such as carbon monoxide (CO), carbon dioxide (CO₂), sulphurous gases (SO_x), sodium oxides and nitrogen oxides.

5.3. Advice for firefighters

Wear self-contained breathing apparatus and full protective clothing.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Wear disposable gloves and protective clothing.

6.2 Environmental precautions

Avoid release to the environment.

6.3. Methods and materials for containment and cleaning up

Pick up and transfer into suitable containers for recovery/disposal. Sweep up. Flush area with plenty water.

6.4 Reference to other sections

Not available.

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Avoid contact with eyes and skin.

7.2. Conditions for safe storage, including any incompatibilities

Store as directed.

7.3. Specific end use(s)

For laboratory use only.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

8.1 Control parameters

Component	CAS No.	Value form of exposure	Control parameters	Basis
Iron (II) sulphate heptahydrate	7782-63-0	TWA	1mg/m ³	UK. EH40 WEL – Workplace Exposure Limits
		STEL	2mg/m ³	UK. EH40 WEL – Workplace Exposure Limits
Sodium metabisulfite	7681-57-4	TWA	5mg/m ³	UK. EH40 WEL – Workplace Exposure Limits

8.2. Exposure controls

Appropriate engineering controls
 Individual protection measures

Ensure there is adequate ventilation when used.
 Wear disposable gloves, eye/face protection and protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state	Lyophilised pellet
Colour	Beige/Off-white
Odour	No data available
Odour threshold	No data available
Melting point/freezing point	No data available
Initial boiling point and boiling range	No data available
Flammability	No data available
Upper explosion/flammability limit	Not applicable
Lower explosion/flammability limit	Not applicable
Flash point	Not applicable
Autoignition temperature	Not applicable
Decomposition temperature	Not applicable
pH	Not applicable
Kinematic viscosity	Not applicable
Solubility	No data available
Partition coefficient n-octanol/water	Not applicable
Vapour pressure	No data available
Relative density	No data available
Relative vapour density	Not applicable
Particle characteristics	No data available

9.2. Other information

Explosive properties	Not applicable
Oxidising properties	Not applicable
Corrosive properties	Not applicable
Evaporation rate	Not applicable
Conductivity	Not applicable

10. STABILITY AND REACTIVITY

10.1. Reactivity	None known based on available data.
10.2. Chemical stability	Stable under normal conditions.
10.3 Possibility of hazardous reactions	Reactive with: strong oxidising agents.
10.4. Conditions to avoid	Avoid exposure to direct sunlight, excessive heat and incompatible products as these may affect the stability of the media.

10.5 Incompatible materials

Strong oxidising agents, strong alkalis and strong acids.

10.6 Hazardous decomposition products

See section 5.2.

11. TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

Category 4. Harmful if swallowed.

Component	CAS No.	Route	Species	LD50 results
Iron (II) sulphate heptahydrate	7782-63-0	Oral	Rat	319mg/kg
Sodium metabisulfite	7681-57-4	Oral	Rat	1,540mg/kg
		Dermal	Rat	>2,000mg/kg
		Inhalation	Rat	>5.5mg/l 4h (LC50)

Skin corrosion/irritation

Category 2. Causes skin irritation.

Serious eye damage/irritation

Category 1. Causes serious eye damage.

Respiratory or skin sensitisation

Category 1B. May cause an allergic skin reaction.

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Based on available data, the classification criteria are not met.

Reproductive toxicity

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

11.2 Information on other hazards

Endocrine disrupting properties

No known/suspected endocrine disruptors.

12. ECOLOGICAL INFORMATION

12.1. Toxicity

Harmful to aquatic life with long lasting effects.

Component	CAS No.	Species	Measurement	Results
Iron (II) sulphate heptahydrate	7782-63-0	<i>Poecilia reticulata</i> (Guppy)	LC50	925mg/l 96h
		<i>Daphnia magna</i> (Water flea)	EC50	6.15-9.26mg/l 48h
Sodium metabisulfite	7681-57-4	<i>Leuciscus idus</i> (Golden orfe)	LC50	316mg/l 96h
		<i>Daphnia magna</i> (Water flea)	EC50	89mg/l 48h

12.2 Persistence and degradability

No data available.

12.3 Bioaccumulative potential

No data available.

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

No data available.

12.6 Endocrine disrupting properties

No known/suspected endocrine disruptors.

12.7 Other adverse effects

No data available.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods Dispose of in accordance with local and national authority requirements.

14. TRANSPORT INFORMATION

ARD/RID/IMO/IMDG/IATA/ICAO This product is not classified as dangerous for carriage.

14.1 UN number or ID number Not applicable.

14.2 UN proper shipping name Not applicable.

14.3 Transport hazard class(es) Not applicable.

14.4 Packing group Not applicable.

14.5 Environmental hazards Not applicable.

14.6 Special precautions for user Not applicable.

14.7 Maritime transport in bulk according to IMO instruments Not applicable.

15. REGULATORY INFORMATION

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

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 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

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)

15.2 Chemical safety assessment None carried out.

16. OTHER INFORMATION

SDS No. LS0011
Revision date 22/12/2023
Revision number 5
Revision changes Updated for compliance with EC 1907/2006 and EU 2020/878.

Previous revisions
 4: Acute toxicity hazard removed (21/02/2019)
 3: Update to CLP regs and new format (07/01/2019)
 2: Update to new format to cover CLP regs (27/06/2016)
 1: New document (24/02/2015)

Legend

ARD European Agreement Concerning the International Carriage of Dangerous Goods by Road
 CAS Chemical Abstracts Service
 EC European Community
 EC50 Half maximal Effective Concentration
 IATA International Air Transport Association
 ICAO International Civil Aviation Organization



IMDG

IMO

LC50

LD50

RID

STEL

TWA

UN

WEL

International Maritime Dangerous Goods Code

International Maritime Organization

Lethal Concentration to 50% of a test population

Lethal Dose to 50% of a test population

Regulations concerning the International Carriage of Dangerous Goods by Rail

Short Term Exposure Limit

Time Weighted Average

United Nations

Workplace Exposure Limit

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