SAFETY DATA SHEET

LS0022 – *CLOSTRIDIUM DIFFICILE* SELECTIVE SUPPLEMENT

According to Regulation (EC) No 1907/2006 as amended

CREATION DATE: 20/07/2016
REVISION DATE: 27/02/2025
REVISION NUMBER: 4

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

1.1. Product identifier

Product name	*Clostridium difficile* Selective Supplement
Product code	LS0022-V001-500

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

Description	Culture media. *In vitro* 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)

2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Main hazards	Skin Sens.1:H317 Eye Irrit.2:H319 Acute Tox.4:H332 Resp. Sens.1:H334 Aquatic Chronic 4:H413

2.2 Label elements

Hazard pictograms



Signal word	Danger	
Hazard statement	Skin Sens.1:H317	May cause an allergic skin reaction.
	Eye Irrit.2:H319	Causes serious eye irritation.
	Acute Tox.4:H332	Harmful if inhaled.

	Resp. Sens.1:H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
	Aquatic Chronic 4:H413	May cause long lasting effects to aquatic life.
Precautionary statement prevention	P261	Avoid breathing dust.
	P264	Wash contaminated skin thoroughly after handling.
	P271	Use only outdoors or in a well-ventilated area.
	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.
	P284	Wear respiratory protection.
Precautionary statement response	P302+P352	IF ON SKIN: Wash with plenty of water.
	P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
	P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	P312	Call a POISON CENTRE / doctor / physician if you feel unwell.
	P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
	P337+P313	If eye irritation persists: Get medical advice/attention.
	P342+P311	If experiencing respiratory symptoms: Call a POISON CENTRE / doctor / physician.
	P362+P364	Take off contaminated clothing and wash it before reuse.

2.3 Other hazards

This 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
D-Cycloserine	68-41-7 200-688-4	70-75%	Eye Irrit.2:H319 Acute Tox.4:H332 Aquatic Chronic 4:H413
Cefoxitin sodium salt	33564-30-6 251-574-6	2-4%	Skin Sens.1:H317 Resp. Sens.1:H334

Skin Sens.1:H317	May cause an allergic skin reaction.
Eye Irrit.2:H319	Causes serious eye irritation.
Acute Tox.4:H332	Harmful if inhaled.
Resp. Sens.1:H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Aquatic Chronic 4:H413	May cause long lasting effects to aquatic life.

4. FIRST AID MEASURES

4.1. Description of first aid measures

General advice	Seek medical advice.
Inhalation	If breathed in, move person into fresh air. If breathing stops, provide artificial respiration.
Eye contact	Rinse immediately with plenty of water. Remove contact lenses if present and safe to do so.
Skin contact	Wash the contaminated area with water.
Ingestion	Rinse mouth with water.

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

Inhalation	Harmful if inhaled. May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Eye contact	Causes serious eye irritation.
Skin contact	May be an irritant to skin.
Ingestion	Ingestion may cause nausea, vomiting and/or diarrhoea.
Additional	See sections 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 oxides, nitrogen oxides, sodium oxides and sulphur 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 This product does not contain any materials with known exposure limits.

8.2. Exposure controls

Appropriate engineering controls	Ensure there is adequate ventilation when used.
Individual protection measures	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	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	Soluble in 5ml of deionised water
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 None known based on available data.

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 Oxidising agents.

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 inhaled.

Component	CAS No.	Route	Species	LD50 results
Cefoxitin sodium salt	33564-30-6	Oral	Rat	>10,000mg/kg
D-cycloserine	68-41-7	Oral	Rat	>5,000mg/kg
		Inhalation	Not known	1.5mg/l 4h (ATE)

Skin corrosion/irritation	Based on available data, the classification criteria are not met.
Serious eye damage/irritation	Category 2. Causes serious eye irritation.
Respiratory or skin sensitisation	Category 1. May cause allergy or asthma symptoms or breathing difficulties if inhaled. 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-single 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.
Other information	No data available.

12. ECOLOGICAL INFORMATION

12.1. Toxicity No data available.

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).
Commission Regulation (EU) 2020/878 of 18 June 2020 amending Annexes 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 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) 2019/521 of 27 March 2019 amending Annexes I-VI to Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures.

15.2 Chemical safety assessment	None carried out.

16. OTHER INFORMATION

SDS No.	LS0022
Revision date	27/02/2025
Revision number	4
Revision changes	Updated for compliance with EC 1272/2008 and EU 2019/521. Reclassify section 2 hazards.
Previous revisions	3: Updated for compliance with EC 1907/2006 and EU 2020/878 (17/01/2024) 2: Hazards updated. Format updated. (26/02/2019) 1: New document (20/07/2016)

Legend

ARD	European Agreement Concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
CAS	Chemical Abstracts Service
EC	European Community
IATA	International Air Transport Association
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods Code
IMO	International Maritime Organization
LD50	Lethal Dose to 50% of a test population
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail

UN United Nations

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