SAFETY DATA SHEET
KM0186 – BACILLUS CEREUS AGAR (PEMBA)

According to Regulation (EC) No 1907/2006

CREATION DATE: 25/01/2016
REVISION DATE: 13/09/2023
REVISION NUMBER: 2

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

1.1. Product identifier

Product name	*Bacillus cereus* Agar (PEMBA)
Product code	KM0186

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. Hazards identification

Main hazards	Skin Sens.1B:H317 Eye Irrit.2:H319

2.2 Label elements



Hazard pictograms		
Signal word	Warning	
Hazard statement	Skin Sens.1B:H317	May cause an allergic skin reaction.
	Eye Irrit.2.:H319	Causes serious eye irritation.
Precautionary statement prevention	P261	Avoid breathing dust.
	P264	Wash contaminated skin thoroughly after handling.
	P272	Contaminated work clothing should not be allowed out of the workplace.
	P280	Wear protective gloves/ protective clothing/ eye protection/ face protection.
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.
	P333+P313	If skin irritation or rash occurs: Get medical advice/ attention.
	P337+P313	If eye irritation persists: Get medical advice/ attention.
	P363	Wash contaminated clothing 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
Sodium pyruvate	113-24-6 204-024-4	24-26%	Skin Sens.1B:H317 Eye Irrit.2:H319

Skin Sens.1B:H317	May cause an allergic skin reaction.
Eye Irrit.2.:H319	Causes serious eye irritation.

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.
Eye contact	Rinse immediately with plenty of water.
Skin contact	Wash the contaminated area with soap and water.
Ingestion	Rinse mouth with water.

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

Inhalation	May be an irritant to respiratory system.
Eye contact	May be an irritant to eyes.
Skin contact	May be an irritant to skin.
Ingestion	Ingestion may cause nausea and vomiting.
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. Carbon monoxide (CO). Carbon dioxide (CO_2). Oxides of the following substances: Nitrogen. Sodium.

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	Fine powder
Colour	Straw
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	7.2 ± 0.2
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	≤0.2mm

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	Avoid contact with strong oxidising agents.
10.6 Hazardous decomposition products	None known based on available data**.**

11. TOXICOLOGICAL INFORMATION

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

Acute toxicity	Based on available data, the classification criteria are not met.
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 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	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).
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.	KM0186
Revision date	13/09/2023
Revision number	2
Revision changes	Updated for EC 1907/2006 and EU 2020/878 compliance
Previous revisions	1: New document (25/01/2016)

Legend

ARD	European Agreement Concerning the International Carriage of Dangerous Goods by Road
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
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
UN	United Nations

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