

Rapid Enrichment Listeria Medium (RELM)

Revision 5

Revision date
2020-08-11

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

1.1. Product identifier

Product name	Rapid Enrichment Listeria Medium (RELM)
Product code	RELM001

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

1.3. Details of the supplier of the safety data sheet

Company	Solus Scientific Solutions Limited
Address	9 Mansfield Networkcentre Millennium Business Park Concord Way Mansfield NG19 7JZ UK
Web	www.solusscientific.com
Telephone	+44 (0)1623 429701
Fax	+44 (0)1623 620977
Email	Solus.info@perkinelmer.com
Email address of the competent person	Solus.info@perkinelmer.com

1.4. Emergency telephone number

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture


2.1.1. Classification - 1999/45/EC	Xi; R37/38 Symbols: Xi: Irritant.
Main hazards	Irritating to respiratory system and skin.
2.1.2. Classification - EC 1272/2008	Skin Irrit. 2: H315; STOT SE 3: H335;

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2.2. Label elements

Hazard pictograms	
Signal Word	Warning Skin Irrit. 2: H315 - Causes skin irritation. STOT SE 3: H335 - May cause respiratory irritation.
Precautionary Statement: Prevention	P261 - Avoid breathing dust/fume/gas/mist/vapours/spray. P264 - Wash thoroughly after handling. P271 - Use only outdoors or in a well-ventilated area. P280 - Wear protective gloves/protective clothing/eye protection/face 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. P312 - Call a POISON CENTER/doctor if you feel unwell. P321 - Specific treatment (see on this label). P332+P313 - If skin irritation occurs: Get medical advice/attention.
Precautionary Statement: Storage	P403+P233 - Store in a well-ventilated place. Keep container tightly closed. P405 - Store locked up.
Precautionary Statement: Disposal	P501 - Dispose of contents/container as Hazardous Waste.

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.
pH modifying agent (MOPS Free Acid)		1132-61-2			10 - 20%	Xi; R37/38	
Lithium chloride		7447-41-8	231-212-3		1 - 10%	Xn; R22 Xi; R36/37/38	
Ammonium ferric citrate		1185-57-5	214-686-6		1 - 10%	Xi; R36/37/38	

EC 1272/2008

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pH modifying agent (MOPS Free Acid)		1132-61-2			10 - 20%	Skin Irrit. 2: H315; STOT SE 3: H335;	
Lithium chloride		7447-41-8	231-212-3		1 - 10%	Acute Tox. 4: H302; Skin Irrit. 2: H315; Eye Irrit. 2: H319; STOT SE 3: H335;	
Ammonium ferric citrate		1185-57-5	214-686-6		1 - 10%	Skin Irrit. 2: H315; Eye Irrit. 2: H319; STOT SE 3: H335;	

Further information

May be harmful by ingestion, inhalation or if absorbed through the skin.

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SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	May cause irritation to respiratory system.
Eye contact	May cause irritation to eyes.
Skin contact	May cause irritation to skin.
	Ingestion may cause nausea and vomiting.

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

Inhalation	If you feel unwell, seek medical advice (show the label where possible). Move the exposed person to fresh air.
Eye contact	If you feel unwell, seek medical advice (show the label where possible). Rinse immediately with plenty of water.
Skin contact	Wash with water.
Ingestion	Rinse mouth thoroughly. Seek medical attention.

SECTION 5: Firefighting measures

5.1. Extinguishing media

	Use extinguishing media appropriate to the surrounding fire conditions. Carbon dioxide (CO ₂). Dry chemical. Foam. Water spray.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

	Wear suitable protective clothing, gloves and eye/face protection.
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6.3. Methods and material for containment and cleaning up

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

	Avoid contact with eyes and skin. Do not breathe dust.
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7.2. Conditions for safe storage, including any incompatibilities

Suitable packaging	Keep container tightly closed and dry. Store in original container.
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SECTION 8: Exposure controls/personal protection

8.2. Exposure controls

8.2.1. Appropriate engineering controls	Ensure adequate ventilation of the working area.
8.2.2. Individual protection	Wear suitable gloves and eye/face protection. Wear suitable protective clothing.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Powder
Colour	Cream
Odour	Characteristic
Odour threshold	Not applicable.
pH	7 - 7.4
Melting point	Not applicable.
Freezing Point	Not applicable.
Initial boiling point	Not applicable.
Evaporation rate	Not applicable.
Flammability (solid, gas)	Not applicable.
Vapour pressure	Not applicable.
Vapour density	Not applicable.
Relative density	Not applicable.
Fat Solubility	Not applicable.
Partition coefficient	Not applicable.
Autoignition temperature	Not applicable.
Viscosity	Not applicable.
Explosive properties	Not applicable.
Oxidising properties	Not applicable.
Solubility	Soluble in water

9.2. Other information

Conductivity	Not applicable.
Surface tension	Not applicable.
Gas group	Not applicable.
Benzene Content	Not applicable.
Lead content	Not applicable.

SECTION 10: Stability and reactivity

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10.1. Reactivity

Avoid contact with: Oxidising agents.

10.2. Chemical stability

Stable under normal conditions. Hygroscopic.

SECTION 11: Toxicological information

11.1.4. Toxicological Information

No data available

SECTION 12: Ecological information

12.1. Toxicity

No data available

12.3. Bioaccumulative potential

Partition coefficient

Rapid Enrichment Listeria Media Not applicable.

SECTION 13: Disposal considerations

Disposal methods

Dispose of in compliance with all local and national regulations.

Disposal of packaging

Dispose of in compliance with all local and national regulations.

SECTION 14: Transport information

14.1. UN number

The product is not classified as dangerous for carriage.

14.2. UN proper shipping name

The product is not classified as dangerous for carriage.

14.3. Transport hazard class(es)

The product is not classified as dangerous for carriage.

14.4. Packing group

The product is not classified as dangerous for carriage.

14.5. Environmental hazards

The product is not classified as dangerous for carriage.

14.6. Special precautions for user

The product is not classified as dangerous for carriage.

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

The product is not classified as dangerous for carriage.

SECTION 15: Regulatory information

SECTION 16: Other information

Other information

Revision	<p>This document differs from the previous version in the following areas:.</p> <ul style="list-style-type: none">2 - 2.1. Classification of the substance or mixture.2 - 2.1.2. Classification - EC 1272/2008.2 - Hazard pictograms.2 - Signal Word.2 - Precautionary Statement: Prevention.2 - Precautionary Statement: Response.2 - Precautionary Statement: Storage.2 - Precautionary Statement: Disposal.9 - 9.1. Information on basic physical and chemical properties (PH).12 - 12.1. Toxicity.15 - Labelling.15 - Risk phrases.
Text of risk phrases in Section 3	<p>R22 - Harmful if swallowed.</p> <p>R36/37/38 - Irritating to eyes, respiratory system and skin.</p> <p>R37/38 - Irritating to respiratory system and skin.</p>
Text of Hazard Statements in Section 3	<p>Skin Irrit. 2: H315 - Causes skin irritation.</p> <p>STOT SE 3: H335 - May cause respiratory irritation.</p> <p>Acute Tox. 4: H302 - Harmful if swallowed.</p> <p>Eye Irrit. 2: H319 - Causes serious eye irritation.</p>

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.