

SAFETY DATA SHEET

According to Regulation (EC) 1907/2006 as retained in GB CLP

SECTION 1 Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product identifier:

Product Name	Yeastlife Extra
CAS No.	N/A
EC No.	N/A
REACH Registration No.	N/A

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

Identified Use(s)	Brewing fermentation aid
Uses Advised Against	None identified

1.3 Details of the Supplier of the Safety Data Sheet:

Company Identification	Lallemand UK Ltd
Address of Manufacturer	AB Vickers, Dallow Street, Burton on Trent
Postal code	DE14 2PQ
Telephone:	+44 (0)1283563268
E-mail	abvickers@lallemand.com (only checked during office hours)
Office hours	09:00 to 17:00, Monday to Friday, UK

1.4 Emergency Telephone Number:

++44 (0)1283563268 (office hours only as above)

SECTION 2 Hazards Identification

2.1 Classification of the substance or mixture:

2.1.1 Classification: According to Regulation (EC) No. 1272/2008 (CLP).
Aquatic Chronic. 3 ; H412

2.2 Label elements

Labelling according to regulation (EC) No.1272/2008 (CLP)

Hazard Pictograms:

None

Signal Word: None

Hazard Statements:

H412: Harmful to aquatic life with long lasting effects

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Precautionary Statements

P273: Avoid release to the environment.

P501: Dispose of contents/container in accordance with local/regional/national/international regulation

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

2.4 Additional Information

None

SECTION 3. Composition / Information on Ingredients

3.2 Mixtures:

This mixture contains substances presenting a health or environmental hazard within the meaning of Regulation (EC) No. 1272/2008, and assigned a Community Workplace Exposure Limit (WEL), classified as PBT/vPvB or included in the Candidate List.

Hazardous ingredients	CAS No	EC No	CLP Classification	w/w%
Zinc sulphate	7446-19-7	231-793-3	Eye Dam. 1 ; H318 Aquatic acute 1; H400 Aquatic chronic 1; H410 Acute tox. 4; H312	<1%

SECTION 4 First Aid Measures

4.1 Description of first aid measures

Inhalation: Move the exposed person to fresh air at once. Rinse nose and mouth with water. Get Medical attention if any discomfort continues.

Ingestion: NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Rinse mouth thoroughly. Get medical attention if any discomfort continues.

Skin contact: Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.

Eye contact: Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention if any discomfort continues.

4.2 Most important symptoms and effects, both acute and delayed

May cause serious eye irritation.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically. If in doubt, GET MEDICAL ATTENTION PROMPTLY!

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SECTION 5 Firefighting Measures

5.1 Extinguishing media:

Suitable extinguishing media: alcohol-resistant foam, carbon dioxide, dry powder or water fog

Unsuitable extinguishing media: None identified

5.2 Special hazards arising from the substance or mixture:

Oxides of carbon, nitrogen, phosphorous, sulphur

5.3 Advice for fire-fighters:

Fire fighters should wear complete protective clothing including self-contained breathing apparatus.

SECTION 6 Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment.

6.2 Environmental precautions:

Prevent from entering water courses. Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body.

6.3 Method and materials for containment and cleaning up:

Shovel/collect spillages. Contain spillage to avoid contamination of sewers and watercourses. Transfer all contaminated material to a secure closable container for disposal by an appropriate method

6.4 Reference to other sections:

See also Section 8 and Section 13.

SECTION 7 Handling and Storage

7.1 Precautions for safe handling:

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.

7.2 Conditions for safe storage, including any incompatibilities:

Store in tightly closed original container in a dry, well-ventilated place.

7.3 Specific end use(s)

See section 1.2

SECTION 8 Exposure Controls / Personal Protection

8.1 Control parameters:

Occupational Exposure Limit (EH40/2005)

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Substance	CAS #	LTEL (8 Hr. TWA ppm)	LTEL (8 Hr. TWA mg/m ³)	STEL (ppm)	STEL (mg/m ³)	Note
Zinc sulphate	7446-19-7					No data available

8.2 Exposure controls:

8.2.1 Appropriate engineering controls: Ensure that eyewash stations and safety showers are close to the workstation location.

8.2.2 Personal protection equipment:

8.2.2.1 Eyes and face protection: Safety goggles with side protection or full face visor, (EN166).

8.2.2.2 Skin protection: Hands protection: During processing chemical resistant gloves should be worn, (EN374).

8.2.2.3 Respiratory protection: If ventilation is inadequate, suitable respiratory protection should be worn. EN136/140/145/143/149

8.2.3. Environmental Exposure Controls Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body.

SECTION 9 Physical and Chemical Properties

9.1 Information on basic physical and chemical properties:

Appearance:	Powder
Colour:	Light brown/cream
Odour:	no data available
Viscosity:	N/A
Density:	no data available
Solids Content:	no data available
Flash Point:	no data available
Initial Boiling Point and Boiling Range:	N/A
Solubility in Water:	soluble
Vapour Pressure:	no data available
Vapour Density:	no data available
Auto Ignition Temperature:	no data available
Evaporation Rate:	no data available
Decomposition Temperature:	No data available
Explosive Properties:	No data available
Upper/Lower Flammability or Explosive Limits:	no data available
Oxidising Properties:	No data available
pH:	neutral

9.2 Other Information

None.

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SECTION 10 Stability and Reactivity

10.1 Reactivity:

Stable under normal conditions

10.2 Chemical stability:

Stable under recommended storage conditions

10.3 Possibility of hazardous reactions:

No hazardous reactions are known under normal conditions of use

10.4 Conditions to avoid:

No data available

10.5 Incompatible materials:

No data available

10.6 Hazardous decomposition products

When burning: Oxides of carbon, nitrogen, phosphorous, sulphur

SECTION 11 Toxicological Information

11.1 Information on toxicological effects

Acute toxicity - Ingestion	Not classified.
Acute toxicity - Skin Contact	Not classified.
Acute toxicity - Inhalation	Not classified.
Skin corrosion/irritation	Not classified
Serious eye damage/irritation	Not classified
Skin sensitization data	Not classified.
Respiratory sensitization data	Not classified.
Germ cell mutagenicity	Not classified.
Carcinogenicity	Not classified.
Reproductive toxicity	Not classified.
Lactation	Not classified.
STOT - single exposure	Not classified
STOT - repeated exposure	Not classified.
Aspiration hazard	Not classified.

11.2 Other information

Inhalation:	May cause respiratory system irritation.
Skin Contact:	May cause irritation
Eye Contact:	May cause eye irritation
Ingestion:	May cause discomfort if swallowed

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SECTION 12 Ecological Information

- 12.1 Toxicity:**
- | | |
|------------------------------------|-------------------|
| Toxicity - Aquatic invertebrates | Aquatic chronic 3 |
| Toxicity - Fish | Aquatic chronic 3 |
| Toxicity - Algae | Aquatic chronic 3 |
| Toxicity - Sediment Compartment | Not classified. |
| Toxicity - Terrestrial Compartment | Not classified. |
- 12.2. Persistence and degradability**
Not known
- 12.3. Bio-accumulative potential**
Not known.
- 12.4. Mobility in soil**
Not known
- 12.5. Results of PBT and vPvB Assessment**
Not known
- 12.6. Other adverse effects**
Not known

SECTION 13 Disposal Considerations

- 13.1. Waste treatment methods**
Disposal in accordance with local Waste Disposal Authority.
- 13.2 Additional information**
Disposal should be in accordance with local, state or national legislation.

SECTION 14 Transport Information

- 14.1 UN number**
UN No. Not classified
- 14.2 UN proper shipping name**
UN proper shipping name Not applicable
- 14.3 Transport hazard class**
- | | |
|---------------|----------------|
| ADR/RID Class | Not applicable |
| IMDG Class | Not applicable |
| IMDG EMS | Not applicable |

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ICAO/IATA	
Excepted Quantities	Not applicable
Passenger and Cargo Aircraft Limited Quantities	Not applicable
Packing Instructions	
Passenger and Cargo Aircraft Limited Quantities	Not applicable
Max net Qty	
Passenger and Cargo Aircraft Packing Instructions	Not applicable
Passenger and Cargo Aircraft Max net Qty	Not applicable
Cargo Aircraft Packing Instructions	Not applicable
Cargo Aircraft Max net Qty	Not applicable
IATA Special Provisions	Not applicable
ADR Classification Code	Not applicable
ADR HIN	Not applicable
ADR Transport Category	Not applicable
Tunnel Restriction Code	Not applicable
Emergency Action Code	Not applicable

14.4 Packing group

Packing group	Not applicable
Labels	Not applicable
Special Provisions	Not applicable
Limited Quantities	Not applicable
Excepted Quantities	Not applicable
Mixed Packing Instructions for Packages	Not applicable
Special Packing Provisions for Packages	Not applicable
Mixed Packing Instructions for Packages	Not applicable

14.5 Environmental hazards

Environmental hazards	Not known
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14.6 Special precautions for user

Not known.	Not applicable
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14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Packing Instructions for Portable Tanks	Not applicable
Special Provisions for Portable Tanks	Not applicable
Tank Code for Tanks	Not applicable
Special Provisions for Tanks	Not applicable
Vehicle for Tank Carriage	Not applicable
Special Provisions for Carriage - Packages	Not applicable
Special Provisions for Carriage - Bulk	Not applicable
Special Provisions for Carriage - Loading, Unloading and Handling	Not applicable
Special Provisions for Carriage - Operation	Not applicable

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SECTION 15 Regulatory Information

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

Not applicable

This Safety Data Sheet was prepared in accordance with EC Regulation (EC) No. 1907/2006 as retained in GB CLP. The product has been classified in accordance with Regulation (EC) No. 1272/2008 (CLP)

15.2. Chemical Safety Assessment

A Chemical Safety Assessment has not been carried out for this mixture by the supplier.

SECTION 16 Other Information

LEGEND

Hazard Pictograms:

Hazard Statements:

H412: Harmful to aquatic life with long lasting effects

Precautionary Statements

P273: Avoid release to the environment.

P501: Dispose of contents/container in accordance with local/regional/national/international regulation

Abbreviations:

CAS: Chemical Abstracts Service;

EINECS: European Inventory of Existing Commercial Chemical Substances

PBT: Persistent, Bioaccumulative and Toxic.

vPvB: Very Persistent and Very Bioaccumulative.

References:

Supplier's Safety Data Sheets for ingredients

ECHA REACH dossiers

Approved Classification and Labelling Guide

Regulation (EC) No. 1272/2008 of the European Parliament and of the council.

Version history:

Version:	9
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Previous version:	8
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Sections changed from previous version:	15

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Disclaimer

The information in this safety data sheet is based on the present state of knowledge and current legislation. It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications. No responsibility or liability, expressed or implied, can be accepted for any problems which may arise as a result of any actions or decisions that may be taken by the user, or by any other party that may be involved with specifying or using the material.