

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	AES Auxiliary Finings
CAS No.	Not applicable
EC No.	Not applicable
REACH Registration No.	Not applicable

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

Identified Use(s)	Beer auxiliary finings
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).
Not classified

2.2 Label elements

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

Hazard Pictograms:

none

Signal Word: none

Hazard Statements:

None

Precautionary Statements

None

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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

For full text of H/ P phrases see Section 16

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. See Section 8 for OELs

Hazardous ingredients	CAS No	EC No	CLP Classification	w/w%
Sodium metabisulphite	7681-57-4	231-673-0	Acute Tox. 4; Eye Dam. 1; H302, H318	<1%
Acacia gum	9000-01-5	232-519-5	Skin Irrit. 2; H315, Eye irrit. 2; H319, STOT SE3; H335	<1%
Phosphoric acid	7664-38-2	231-633-2	Skin corr. 1B H314 Met. corr. 1 H290 Eye dam. 1 H318	<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: Wash off with soap and plenty of water.

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

No data available

4.3 Indication of any immediate medical attention and special treatment needed

No data available

SECTION 5 Firefighting Measures

5.1 Extinguishing media:

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Suitable extinguishing media: water spray, alcohol-resistant foam, dry chemical or carbon dioxide

Unsuitable extinguishing media: None identified

5.2 Special hazards arising from the substance or mixture:

Sodium oxides, sulphur oxides

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

Provide adequate ventilation. Ensure full personal protection during removal of spillages.

6.2 Environmental precautions:

No special environmental precautions required

6.3 Method and materials for containment and cleaning up:

Contain spillage and then collect by wet-brushing and place in container for disposal according to local regulations.

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)

Beer clarifier

SECTION 8 Exposure Controls / Personal Protection

8.1 Control parameters:

Occupational Exposure Limit (EH40/2005)						
Substance	CAS #	LTEL (8 Hr. TWA ppm)	LTEL (8 Hr. TWA mg/m ³)	STEL (ppm)	STEL (mg/m ³)	Note
Sodium metabisulphite	7681-57-4		5			

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Acacia gum	9000-01-5					No data available
Phosphoric acid	7664-38-2		1		2	indicative

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: Not required.

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:	liquid
Colour:	colourless/grey
Odour:	Sulphur dioxide
Viscosity:	no data available
Density:	1.015
Solids Content:	no data available
Flash Point:	no data available
Initial Boiling Point and Boiling Range:	no data available
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:	3

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:

Avoid drying out the solution as this can form dust.

10.5 Incompatible materials:

Strong bases, strong acids, strong oxidising agents.

10.6 Hazardous decomposition products

If burning: sulphur oxides, sodium oxides

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:	Vapour may irritate throat and respiratory system and cause coughing.
Skin Contact:	There may be mild irritation
Eye Contact:	There may be mild irritation
Ingestion:	May cause discomfort if swallowed

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SECTION 12 Ecological Information

- 12.1 Toxicity:**
- | | |
|------------------------------------|-----------------|
| Toxicity - Aquatic invertebrates | Not classified |
| Toxicity - Fish | Not classified |
| Toxicity - Algae | Not classified |
| 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**
No data available
- 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

ADR/RID/ADN

- | | |
|--|-----|
| 14.1 UN Number | N/A |
| 14.2 UN Proper shipping name | N/A |
| 14.3 Transport hazard class(es) | N/A |
| 14.4 Packing group | N/A |
| 14.5 Environmental hazards | N/A |
| 14.6 Special precautions for the user | N/A |

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IATA/ICAO

14.1	UN Number	N/A
14.2	UN Proper shipping name	N/A
14.3	Transport hazard class(es)	N/A
14.4	Packing group	N/A
14.5	Environmental hazards	N/A
14.6	Special precautions for the user	N/A

IMDG

14.1	UN Number	N/A
14.2	UN Proper shipping name	N/A
14.3	Transport hazard class(es)	N/A
14.4	Packing group	N/A
14.5	Environmental hazards	N/A
14.6	Special precautions for the user	N/A
14.7	Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code	N/A

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:

none

Hazard Statements:

none

Precautionary Statements

none

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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:	4
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Previous version:	3
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Sections changed from previous version:	15

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.