

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

1.1. Product identifier

Product form	: Mixture
Product name	: LACTOSE SULFITE (LS) BROTH
Product code	: BK140
Product group	: Trade product

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

1.2.1. Relevant identified uses

Main use category	: Industrial use, Professional use
Use of the substance/mixture	: Microbiological control

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

BIOKAR DIAGNOSTICS - SOLABIA GROUP
 Rue des Quarante Mines
 60002 Beauvais Cedex - FRANCE
 T 0033 3 44 14 33 33 - F 0033 3 44 14 33 34
info.fds@solabia.fr - www.biokar-diagnostics.fr

1.4. Emergency telephone number

No additional information available

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture


Classification according to Regulation (EC) No. 1272/2008 [CLP]

Eye Dam. 1 H318

Full text of classification categories and H statements : see section 16

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) : 

GHS05

Signal word (CLP)	: Danger
Hazard statements (CLP)	: H318 - Causes serious eye damage
Precautionary statements (CLP)	: P280 - Wear protective gloves/protective clothing/eye protection/face protection 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 CENTER/doctor/... if you feel unwell
EUH-statements	: EUH031 - Contact with acids liberates toxic gas

2.3. Other hazards

Adverse physicochemical, human health and environmental effects : Causes serious eye damage. Repeated or prolonged contact may cause skin irritation. May be harmful if swallowed and enters airways.

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

LACTOSE SULFITE (LS) BROTH

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according to Regulation (EC) No. 1907/2006 (REACH) - Annex II

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Sodium metabisulfite	(CAS No) 7681-57-4 (EC no) 231-673-0 (EC index no) 016-063-00-2	3,48	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318
Ammonium citrate ferrous	(CAS No) 1185-57-5 (EC no) 214-686-6	2,91	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335
Cystein chlorhydrate	(CAS No) 32443-99-5 (EC no) 251-043-9	1,4	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335

Full text of H-phrases: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation	: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
First-aid measures after skin contact	: Wash skin with plenty of water. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact	: Rinse immediately with plenty of water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER or doctor/physician if you feel unwell.

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

No additional information available

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment : Wear personal protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

Emergency procedures : Ventilate spillage area. Avoid contact with eyes.

Measures in case of dust release : Avoid raising dust. Avoid breathing dust.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment. Prevent from entering sewers, basements and workpits, or any place where its accumulation can be dangerous.

6.3. Methods and material for containment and cleaning up

For containment : Collect spillage.

Methods for cleaning up : Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal. Minimize generation of dust.

6.4. Reference to other sections

No additional information available

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling** : Ensure good ventilation of the work station. Do not breathe dust. Wear personal protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
- Hygiene measures** : Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions** : Store in a dark area. Keep container tightly closed.
- Storage temperature** : 2 - 30 °C
- Packaging materials** : glass. Plastic.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Sodium metabisulfite (7681-57-4)

France	Local name	Sodium (métabisulfite de)
France	VME (mg/m ³)	5 mg/m ³

8.2. Exposure controls

- Appropriate engineering controls** : Ensure good ventilation of the work station.
- Materials for protective clothing** : Wear suitable protective clothing
- Hand protection** : Wear suitable gloves
- Eye protection** : Safety glasses with side guards should be worn to prevent injury from airborne particles and/or other eye contact with this product
- Skin and body protection** : Wear suitable protective clothing
- Respiratory protection** : Suitable respiratory equipment

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

- Physical state** : Solid
- Appearance** : Powder.
- Colour** : Cream.
- Odour** : No data available
- Odour threshold** : No data available
- pH** : No data available
- Relative evaporation rate (butylacetate=1)** : No data available
- Melting point** : No data available
- Freezing point** : No data available
- Boiling point** : No data available
- Flash point** : No data available
- Auto-ignition temperature** : No data available
- Decomposition temperature** : No data available
- Flammability (solid, gas)** : No data available
- Vapour pressure** : No data available
- Relative vapour density at 20 °C** : No data available
- Relative density** : No data available
- Solubility** : Soluble in water.
- Log Pow** : No data available
- Viscosity, kinematic** : No data available
- Viscosity, dynamic** : No data available
- Explosive properties** : No data available
- Oxidising properties** : No data available
- Explosive limits** : No data available

9.2. Other information

No additional information available

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SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

No additional information available

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

Carbon dioxide. Carbon monoxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	: Not classified No data available
Skin corrosion/irritation	: Not classified No data available
Serious eye damage/irritation	: Causes serious eye damage. No data available
Respiratory or skin sensitisation	: Not classified No data available
Germ cell mutagenicity	: Not classified No data available
Carcinogenicity	: Not classified No data available
Reproductive toxicity	: Not classified No data available
Specific target organ toxicity (single exposure)	: Not classified No data available
Specific target organ toxicity (repeated exposure)	: Not classified No data available
Aspiration hazard	: Not classified No data available

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : No data available.

12.2. Persistence and degradability

Persistence and degradability No data available.

12.3. Bioaccumulative potential

Bioaccumulative potential Not established.

12.4. Mobility in soil

Ecology - soil No data available.

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Other adverse effects : No data available.

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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Incineration, disposal or recycling at specific offsite provider.

Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable

Proper Shipping Name (IMDG) : Not applicable

Proper Shipping Name (IATA) : Not applicable

Proper Shipping Name (ADN) : Not applicable

Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

- Overland transport

No data available

- Transport by sea

No data available

- Air transport

No data available

- Inland waterway transport

Carriage prohibited (ADN) : No

Not subject to ADN : No

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- Rail transport

Carriage prohibited (RID) : No

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

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Full text of H- and EUH-statements:

Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H302	Harmful if swallowed
H315	Causes skin irritation
H318	Causes serious eye damage
H319	Causes serious eye irritation
H335	May cause respiratory irritation
EUH031	Contact with acids liberates toxic gas

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product