

SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006 (REACH)
According to HCS 29 CFR 1910.1200(g)
Regulation (EC) No. 1272/2008 [CLP]
Document Number 001095 Revision 01
Revision Date 25.04.2022

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

1.1 Product identifiers

Product name: Basal Medium

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

Identified uses: For research use only

1.2 Details of the supplier of the safety data sheet

Company: CN-Bio Innovations Ltd,
332 Cambridge Science Park.
Cambridge,
CB4 0WN.
E-mail: support@cn-bio.com

1.3 Emergency telephone number

Emergency phone: +44 (0)1223 737941

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

2.2 Label elements

EUH208 – Contains sodium selenite. May produce an allergic reaction.

Supplier details CN-Bio Innovations Ltd,
332 Cambridge Science Park.
Cambridge,
CB4 0WN
+44 (0) 1223 737941

2.3 Other hazards

This mixture does not contain any substances that are assessed to be a PBT or a vPvB or having endocrine disrupting properties.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

| Information on Ingredients | | | | |
|----------------------------|-----------|------------|--------------|------------|
| Name | EC Number | CAS Number | REACH Number | Content |
| Sodium selenite | 233-267-9 | 10102-18-8 | N/A | < 0.1% w/w |

| | | | | |
|--------------|-----------|----------|------------------|------------|
| Ethanolamine | 205-483-3 | 141-43-5 | 01-2119486455-28 | < 0.1% w/w |
|--------------|-----------|----------|------------------|------------|

SECTION 4: First aid measures

4.1 Description of first-aid measures

General advice

Consult a physician. Show this material safety data sheet to the doctor in attendance.

If inhaled

Not expected to be an inhalation hazard under anticipated conditions of normal use of this material. Consult a physician if necessary.

In case of skin contact

Wash exposed area with soap and water, remove contaminated clothing and obtain medical assistance if irritation occurs. This material may not be completely removed by conventional laundering. Consult professional laundry service. Do not home launder.

In case of eye contact

Flush eye(s) immediately with plenty of water. If irritation occurs or persists, get medical attention.

If swallowed

Not expected to present a significant ingestion hazard under anticipated conditions of normal use. If you feel unwell, seek medical advice.

4.2 Most important symptoms and effects, both acute and delayed

Not Applicable.

4.3 Indication of any immediate medical attention and special treatment needed

None

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Extinguish fires with CO₂, extinguishing powder, foam, or water.

5.2 Special hazards arising from the substance or mixture

Not known

5.3 Advice for firefighters

During all fire fighting activities, wear appropriate protective equipment, including self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personnel involved in clean-up should wear appropriate personal protective equipment. Minimize exposure.
For personal protection see section 8.

6.2 Environmental precautions

No special environmental precautions required.

6.3 Methods and materials for containment and cleaning up

Measures for Cleaning / Collecting: Contain the source of spill if it is safe to do so. Collect spilled material by a method that controls dust generation. A damp cloth or a filtered vacuum should be used to clean spills of dry solids. Clean spill area thoroughly.

6.4 Reference to other sections

For disposal see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling

Use personal protective equipment as required. No special handling advice are necessary.

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

For precautions see section 8.

7.2 Conditions for safe storage, including any incompatibilitiesStorage conditions

Keep in a dry, cool and well-ventilated place. Keep in properly labelled containers.

7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

8.2 Ingredients with workplace control parameters

Contains no substances with occupational exposure limit values.

Exposure controls

Personal protective equipment

Eye/face protection

Safety glasses conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such asNIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product.

The selected protective gloves must satisfy the specifications of Regulation (EU) 2016/425 and the standard EN 374 derived from it.

Body Protection

Wear suitable protective clothing.

Respiratory protection

In case of insufficient ventilation wear respirators and components tested and approved under appropriate government standards).

Control of environmental exposure

No special environmental precautions required.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

| | |
|----------------------------------|--------------------------|
| a) Appearance | Form: liquid |
| b) Odor | No data available |
| c) Odor Threshold | No data available |
| d) pH | 6-8 |
| e) Melting point / melting range | °C No data °F No data |
| f) Boiling point / boiling range | °C No data °F No data |
| g) Flash point | °C No data °F No data |
| h) Evaporation rate | No data |
| i) Flammability (solid gas) | No data |
| j) Upper/lower flammability | No data |
| k) Vapor pressure | No data |
| l) Vapor density | No data |
| m) Relative density | No data |
| n) Water solubility | No data |
| o) Partition coefficient: | No data |
| p) n-octanol/water Viscosity | No data |
| q) Autoignition temperature | No data |
| r) Decomposition temperature | No data |
| s) Explosive properties | No data |
| t) Oxidizing properties | No data |

9.2 Other safety information

No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

No data available

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to avoid

No data available

10.5 Incompatible materials

No data available

10.6 Hazardous decomposition products

No data available

SECTION 11: Toxicological information

11.1 Principal Routes of Exposure

Skin corrosion/irritation: Data are conclusive but insufficient for classification

Serious eye damage/irritation: Data are conclusive but insufficient for classification

Respiratory or skin sensitization: Data are conclusive but insufficient for classification

Specific target organ toxicity (STOT)–single exposure: Data are conclusive but insufficient for classification

Specific target organ toxicity (STOT)–repeated exposure: Data are conclusive but insufficient for classification

Carcinogenicity: Data are conclusive but insufficient for classification

Germ cell mutagenicity: Data are conclusive but insufficient for classification

Reproductive Toxicity: Data are conclusive but insufficient for classification

Aspiration Hazard: Data are conclusive but insufficient for classification

11.2 Information on toxicological effects

There is no evidence available indicating acute toxicity.

SECTION 12: Ecological information

12.1 Ecotoxicity

Contains no substances known to be hazardous to the environment or not degradable in wastewater treatment Plants

12.2 Persistence and degradability

No information available

12.3 Bioaccumulative potential

No information available.

12.4 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

12.5 Other adverse effects

No data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in accordance with approved disposal technique. Disposal of this product, its solutions or of any by-products, shall comply with the requirements of all applicable local, regional or national/federal regulations.

SECTION 14: Transport information

| | | | |
|--|-------------------------|------------------------|---------|
| 14.1 UN number | ADR/RID: - | IMDG: - | IATA: - |
| 14.2 UN proper shipping name | ADR/RID: Not Applicable | | |
| | IMDG: Not Applicable | | |
| | IATA: Not Applicable | | |
| 14.3 Transport hazard class(es) | ADR/RID: - | IMDG: - | IATA: - |
| 14.4 Packaging group | ADR/RID: - | IMDG: - | IATA: - |
| 14.5 Environmental hazards | ADR/RID: | IMDG Marine pollutant: | IATA: |
| 14.6 Special precautions for user | | | |
| Further information | No data available. | | |

SECTION 15: Regulatory information

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

This material safety data sheet complies with the requirements of Regulation (EC) No.1907/2006.

15.2 Chemical safety assessment

No Chemical safety assessment has been carried out.

SECTION 16: Other information

Further information

The above information is believed to be correct but does not support to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. CN Bio Innovations shall not be held liable for any damage resulting from handling or from contact with the above product