

1.IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product name:	Selenite Cystine Broth
Product Number:	EX-CM202, EX-CM202-02
Company:	BEIJING LAND BRIDGE TECHNOLOGY CO.,LTD.
Address:	NO.3 Gaobeidian North Road,Chaoyang District,Beijing, China
Postal code:	100123
Telephone:	010-51203999
Fax:	010-51349510
E-mail address:	info@beijinglandbridge.com
Recommended use and limited use:	Biochemical research / analysis

2. HAZARDS IDENTIFICATION

Summary of emergency:

If breathed in, move person into fresh air; rinse with water or shower immediately after contact with skin; In case of contact with eyes, flush eyes with water; In case of ingestion, rinse mouth with water. Seek medical advice immediately if you feel unwell.

GHS Classification

Acute toxicity (oral) Category 1

Acute (short-term) aquatic hazard Category 1

Long-term (chronic) aquatic hazards Category 1

Specific target organs Repeated exposure Category 2

Label element:

Pictogram:



Signal word: Danger/ Warning

Hazard statement(s):

H300 Fatal if swallowed.

H373 May damage organs through prolonged or repeated exposure.

H400 Very toxic to aquatic life.

H411 Toxic to aquatic life with long lasting effects.

Precautionary statement(s):

P260 Do not breathe dust.

P264 Wash skin thoroughly after handling.

P270 Not eating, drinking or smoking while using this product.

P273 Avoid release to the environment.

Storage: Lock the storage area.

Disposal: Dispose according to state regulations.

Physical and chemical hazards: Referring to current information, no physical or chemical hazard.

Health hazards: Referring to current information, no physical or chemical hazard.

Environmental hazards: Referring to current information, no physical or chemical hazard.

Other hazards: No data available.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures: Chemical composition refer to the components on the medium label.

Component	Serial number	Concentration
Sodium Selenite	CAS: 7782-82-3 EC: 231-966-3	17.39%

4. FIRST AID MEASURES

4.1 Necessary first aid measures

General advice:	No special measures
Inhalation:	Move to fresh air. Get medical attention immediately if symptoms occur.
Skin Contact:	Rinse immediately with water.
Eye Contact:	Immediately lift the eyelids and rinse with plenty of running water. Get medical attention if symptoms occur.
Ingestion:	Rinse mouth with water. Seek medical attention if you feel unwell.

4.2 Most important symptoms and effects, both acute and delayed

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

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

No data available

5. FIREFIGHTING MEASURES

Suitable extinguishing media:	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Dangerous characteristics:	No combustion supporting

Hazardous Combustion Products:	Carbon oxides, Sulphur oxides, Oxides of phosphorus, Hydrogen chloride gas, Hydrogen iodide, Potassium oxides, Sodium oxides, Magnesium oxide
Advice for firefighters:	Wear self-contained breathing apparatus to extinguish the fire.

6.ACCIDENTAL RELEASE MEASURES

Personal precautions:	Wear experimental clothes, gloves and masks to avoid inhaling dust.
Environmental precautions:	Prevent further leakage or spillage on the premise of ensuring safety.
Methods and materials for containment and cleaning up:	Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable closed containers for disposal (refer to protective measures listed in section 13). Clean the contaminated area, then alcohol disinfection.

7.HANDLING AND STORAGE

Precautions for safe handling:	Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.
Conditions for safe storage, including any incompatibilities:	Keep container tightly closed and store at a cool dry place.

8.EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Engineering Measures:

Provide emergency shower installations and eye showers.

8.2 Personal protective equipment:

Respiratory protection:	Weighing products in fume hood, and wear masks.
Eye protection:	Wear safety glasses with side-shields.
Hand protection:	Wear disposable latex or plastic gloves, wash hands before and after work.
Body Protection:	Wear experimental clothes, change dirty clothes in time.

Note: Select appropriate protective measures in accordance with the working conditions and the concentration of hazardous substances, and the chemical resistance of protective measures shall be provided by the manufacturer.

9.PHYSICAL AND CHEMICAL PROPERTIES

Appearance Form:	See details in COA	Odour:	No pungent odor
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pH:	7.0±0.2(25°C)	Water solubility:	Good solubility, clear and transparent with out precipitation after the fully dissolution
Melting point /freezing point:	No data available	Flash point:	No data available
Initial boiling point and boiling range:		No data available	
Explosive limits:			
Upper:	No data available	lower:	No data available
Vapour pressure:	No data available	Vapour density:	No data available
Relative density:	No data available	Partition Coefficient:(n-octanol/water)	No data available
Autoignition temperature:	No data available	Decomposition temperature:	No data available

10. STABILITY AND REACTIVITY

Stability:	Sealed stored in suitable conditions can be stored for 3 years without deterioration.
Conditions to avoid:	No data available
Incompatible materials:	Strong oxidizing agents
Hazardous decomposition products:	No data available

11.TOXICOLOGICAL INFORMATION

Acute toxicity:	Mixture ATE-2.87mg/kg (oral)		
Skin corrosion/irritation:	No data available	Eye damage/irritation:	No data available
Respiratory or skin sensitization:	No data available	Germ cell mutagenicity:	No data available
Carcinogenicity:	No data available	Reproductive toxicity:	No data available
Specific target organ toxicity:			
Single exposure:	No data available	Aspiration hazard:	No data available
Repeated exposure:	The proportion of sodium hydrogen selenite in the mixture: ≥ 10%		
Potential health effects:			
Inhalation:	May cause respiratory tract irritation	Ingestion:	May be harmful if swallowed

Skin:	May cause skin irritation	Eyes:	May cause eye irritation
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12. ECOLOGICAL INFORMATION

Toxicity:	LC ₅₀ fish 96h ≤ 1mg/L; EC ₅₀ Crustaceans 48h ≤ 1mg/L; ErC ₅₀ Algae or other aquatic plants 72hor96h ≤ 1mg/L	Persistence and degradability:	No data available
Bioaccumulative potential:	No data available	Mobility in soil:	No data available

13.DISPOSAL CONSIDERATIONS

Product:

Dispose of in accordance with applicable local waste disposal regulations. (For information on authorized chemical waste processors and their contact details, please refer to the data available at www.mee.gov.cn.)

Contaminated containers and packaging:

Dispose of as unused product.

14. TRANSPORT INFORMATION

UN number: Not dangerous goods.

UN proper shipping name: Not dangerous goods.

Transport hazard class(es): Not dangerous goods.

Packaging group: Not dangerous goods.

Packing method: Packing according to manufacturer's method.

Marine pollutant(Yes/No): No.

Transportation Precautions: Please select the appropriate means of transportation and corresponding transportation and storage conditions according to the nature of chemicals.

15.REGULATORY INFORMATION

Occupational Disease Prevention Law of the People's Republic of China:

Classification of Occupational Disease Hazard Factors: Uncatalogued

GBZ2.1-2019 Occupational Exposure Limits for Hazardous Agents in the Workplace

Part 1 Chemical Harmful Factors: Uncatalogued

Regulations on the Safety Management of Hazardous Chemicals:

Hazardous and Chemicals Catalogue: Uncatalogued

Explosive Hazardous Chemicals Catalogue: Uncatalogued

Hazardous Chemicals under Key Supervision Catalogue :

Hazardous Chemicals under Key Supervision Catalogue: Uncatalogued

Measures for Environmental Management of New Chemical Substances:

Inventory of Existing Chemical Substances in China: Uncatalogued

Other:

Toxic and Hazardous Air Pollutants Catalogue: Uncatalogued

Prohibited Imports and Prohibited Exports Catalogue: Uncatalogued

Air Transport Dangerous Goods Catalogue: Uncatalogued

Inland Water Embargoed Hazardous Chemicals Catalogue: Uncatalogued

16.OTHER INFORMATION

This revision revises the following sections:

Part 9 - Description of appearance and properties.

Part 13 - Recommendations for waste disposal.

Part 15 - Updating existing national laws and regulations.

Training advice:

It is recommended that operators be provided with adequate information, guidance and training.

The above information is believed to be correct, but is not inclusive of all information and is used as a guide only.

The information in this document is based on our current knowledge as to the correct safety instructions applicable to this product.