

# SAFETY DATA SHEET

according to Regulation (EC) No. 2015/830

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

### 1.1 Product identifiers

**Product name (dehydrated media):** Selenite Cystine Broth, USP\*\*\*

**Product name (ready to use media):** Selenite Cystine Broth, USP

**Code number:** SCB

(\* kit consists of two components)

Components of dehydrated media kit: 1. component: **Selenite Cystine Broth Base, USP**  
2. component: **Selenite Supplement**

Registration number.: -

CAS number: -

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

Recommended use: Microbiological diagnostics

Uses advised against: No information available

### 1.3 Details of the supplier of the safety data sheet

Manufacturer/distributor: BIOLAB Inc.  
H-1141 Budapest, Öv u. 43.  
Hungary

Telephone: +36-1-221-9614

Fax: +36-1-364-2006

E-mail: [export@biolab.hu](mailto:export@biolab.hu)

### 1.4 Emergency telephone number

Emergency telephone: Please contact the regional Authority in your country.

## 2. HAZARDS IDENTIFICATION

### Warning!

**The hazards data below concern to the 2<sup>nd</sup> component and the ready to use form of the products only.** In case of dehydrated media the concentration of the hazardous components (in g/litre) do not exceed the hazard limits of the relevant regulation, therefore they cannot be classified as hazardous substance or mixture according to Regulation (EU) 1272/2008 EK (CLP).

### DEHYDRATED MEDIA KIT

#### 2.1 Classification of substance or mixture

Classification according to Regulation (EU) (CLP) No. 1272/2008.

1. component: **Selenite Cystine Broth Base, USP**

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

2. component: **Selenite Supplement**

Acute Tox. Oral 2 H300

Acute Tox. Resp. 3 H330

Skin Sensib. 1 H317

Aquatic Chronic. 2 H411

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## **2.2 Label elements**

Labelling in accordance with Regulation (EU) No. 1272/2008:

2. component: **Selenite Supplement**

Signal word: Danger

Hazard Statements (H phrases): H300, H330, H317, H411

Precautionary Statements (P phrases): P261, P273, P280, P301+310, P304+340, P342+311

Pictograms:



## **READY TO USE MEDIA**

### **Warning!**

The hazards data below concern to the ready to use form of the product only.

### **2.1 Classification of substance or mixture**

Classification according to Regulation (EU) (CLP) No. 1272/2008: hazardous mixture.

Acute toxicity, Oral 2 H302

Skin Irrit. 1 H312

### **2.2 Label elements**

Labelling in accordance with Regulation (EU) No. 1272/2008:

Signal word: Warning

Hazard Statements (H phrases): H302, H312

Precautionary Statements (P phrases): P270, P281, P301+330+331, P301+310, P302+352

Pictograms:



### **2.3 Other hazards**

No information available

Full text of H- and P-phrases mentioned above: see in section 16.

## **3. COMPOSITION/INFORMATION ON INGREDIENTS**

### **3.1 Substances**

### **3.2 Mixtures**

It is not necessary to publish the components.

Harmful components according to Regulation (EU) No. 1272/2008

Component (supplement)	Classification	Concentration (in supplement)
Sodium Selenite		
CAS-No. 10102-18-8 EU-No. 233-267-9	Acute Tox. 2; Skin Irrit. 1; Aquatic, Chronic 2; H300, H331, H317, H411; P261, P273; P280, P301+310, P304+341, P311	100 %

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Component (supplement)	Classification	Concentration (in ready to use media)
Sodium Selenite		
CAS-No. 10102-18-8 EU-No. 233-267-9	Acute Tox. 2; Skin Irrit. 1; Aquatic, Chronic 2; H300, H331, H317, H411; P261, P273; P280, P301+310, P304+341, P311	0,4 %
Full text of the H and P phrases: see in section 16.		

## 4. FIRST AID MEASURES

### 4.1 Description of first aid measures

General advice:	Consult a physician. Show the label and this safety data sheet to the doctor in attendance. Never administer anything orally to persons who are unconscious.
After inhalation:	Remove the victim from exposure and move into open air. Consult a physician.
After skin contact:	Remove contaminated clothing. Flush the skin with water, then wash thoroughly with soap and water.
After eyes contact:	Rinse out eyes with plenty of clean and cold water while pulling eyelids up, and seek medical assistance.
After ingestion:	Rinse the mouth with water and seek immediate medical attention. Never administer anything orally to persons who are unconscious. Never induce vomiting.

### 4.2 Most important symptoms and effect, 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 needed

No information available

## 5. FIRE FIGHTING MEASURES

### 5.1 Suitable extinguishing media

Use water spray, dry chemical or carbon dioxide.

### 5.2 Special hazards arising from the substance or mixture

In case of fire: Carbon-oxides, nitrogen oxides.

Thermal decomposition can lead to release of irritating gases and vapore.

### 5.3 Advice for fire-fighters

Wear self contained breathing equipment for firefighting.

## 6. ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

Avoid generation of dusts; do not inhale dusts. Provide appropriate exhaust ventilation. Use personal protective clothing.

### 6.2 Environmental precautions

Prevent the contamination of drains, surface or subterranean waters, and the ground.

### 6.3 Methods and material for containment and cleaning up

Take up dry. Keep in suitable, closed containers for disposal. Clean up affected area.

### 6.4 Reference to other sections

Refer to protective measures listed in Section 8 and 13.

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## 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling

No special requirement.

Avoid direct contact with the material, spillage, ingestion, eye and skin contact, inhalation. No eating and smoking during working. In the application area, smoking, eating and drinking must be prohibited. Bathing facilities with hot water, emergency douche and eye irrigator have to be ensured. Wash hands after working with the product.. Remove contaminated clothing.

### 7.2 Conditions for safe storage, including any incompatibilities

Store the dehydrated media and the supplement tightly closed in a dry place at room temperature. Store the bottled and tubed media protected from light at room temperature.

### 7.3 Specific end use(s)

Use in laboratories.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

The product does not contain substances with Professional Exposure Environmental Limit Values.

Exposure limits

Allowable workplace concentration ( AK ) (mg/m<sup>3</sup>): No information available

Workplace peak concentration: (CK) mg/m<sup>3</sup>: No information available

Biological exposure: No information available

### 8.2 Exposure controls

General instructions

Avoid direct contact with the material, spillage, ingestion, eye and skin contact, inhalation. No eating and smoking during working. Bathing facilities with hot water, emergency douche and eye irrigator have to be ensured. Wash hands after working with the supplement. Remove contaminated clothing.

Personal protection: Wear protection clothing, remove the contaminated clothing.  
Wash hands after working with the substance.

Personal protection equipment: respirator required (type P1) when dusts are generated

Eye protection: safety glasses are required

Hand protection: use disposable gloves (nitrile caoutchouc 0,11 mm, breakthrough time 0,11 mm, breakthrough time > 480 min.), and wash hands after working with this substance

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Appearance (dehydrated medium): Homogeneous hygroscopic powder

Colour (dehydrated medium): Yellowish

Odor (dehydrated medium): No information available

pH before autoclaving (25 °C): 7,0 approx.

Appearance (ready to use medium): Liquid

Colour (ready to use medium): Yellowish (few pinkish sediment)

Odor (ready to use medium): No information available

pH (ready to use medium, 25 °C): 6,9 – 7,1

Water solubility: > 23 g/l

Appearance (supplement): White, crystalline powder

Odor threshold: No information available

Melting point/range: No information available

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Flash point:	No information available
Evaporation rate:	No information available
Flammability (solid, gas):	No information available
Flammability range:	No information available
Vapor pressure:	No information available
Vapor density:	No information available
Relative density:	No information available
Partition coefficient (n-octanol/water):	No information available
Autoignition temperature:	No information available
Decomposition temperature:	No information available
Viscosity:	No information available
Explosive properties:	No information available
Oxidizing properties:	No information available

## **9.2 Other information**

No information available

## **10. STABILITY AND REACTIVITY**

### **10.1 Reactivity**

No information available

### **10.2 Chemical stability**

Stable under the recommended handling and storage conditions (see section 7).

### **10.3 Possibility of hazardous reactions**

No information available

### **10.4 Conditions to avoid**

Strong heating, in case of powdered media: risk of powder explosion

### **10.5 Incompatible materials**

No information available

### **10.6 Hazardous decomposition products**

See details in section 5.

## **11. TOXICOLOGICAL INFORMATION**

### **11.1 Information on toxicological effects**

Acute toxicity:	No information available
Skin irritation/corrosion:	No information available
Serious eye damage/irritation:	No information available
Respiratory or skin sensitization:	No information available
Germ cell mutagenicity:	No information available
Carcinogenicity:	No component of this product present at levels greater than or equal to 0,1% is identified as probable, possible or confirmed human carcinogen by IARC.
Reproductive toxicity:	No information available
STOT – single exposure:	No information available
STOT – repeated exposure:	No information available
Aspiration hazard:	No information available

## **12. ECOLOGICAL INFORMATIONS**

### **12.1 Toxicity**

No information available

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## 12.2 Persistence and degradability

No information available

## 12.3 Bioaccumulative potential

No information available

## 12.4 Mobility in soil

No information available

## 12.5 Results of PBT and vPvB assessment

No information available

## 12.6. Other adverse effects

Do not dispose of the residue into water, sewage or soil.

## 13. DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

**Product:** Residue is classified as hazardous.

**Contaminated packaging:** Handle contaminated empty packaging in the same way as the substance itself.

**Waste treatment regulations:** Dispose of in accordance with the European Directives on waste and hazardous waste. Dispose of in accordance with local regulations.

## 14. TRANSPORT INFORMATION

### 14.1 UN-number

ADR/RID: -

IMDG:-

IATA:-

### 14.2 UN proper shipping name

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

### 14.3 Transport hazard class(es)

ADR/RID: no

IMDG: no

IATA: no

### 14.4 Packaging

ADR/RID: no

IMDG: no

IATA: no

### 14.5 Environmental Hazards

ADR/RID: no

IMDG: no

IATA: no

### 14.6 Special precautions for user

No special precautions required

### 14.7 Transport in bulk according to Annex II of MARPOL and the IBC code

Not applicable, packaged goods

## 15. REGULATORY INFORMATION

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

Regulation (EC) No 1907/2006 (REACH) and 1272/2008 EK (CLP-GHS)

### 15.2 Chemical safety assessment

There has been no evaluation a chemical safety assessment of the product.

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## 16. OTHER INFORMATION

Full text of H and P phrases:

H300	Fatal if swallowed
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H317	May cause an allergic skin reaction.
H330	Fatal if inhaled.
H331	Toxic if inhaled.
H411	Toxic to aquatic life with long lasting effects.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P270	Do not eat, drink or smoke when using this product.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P311	Call a POISON CENTER or doctor/physician.
P301+310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P301+330+331	IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P302+352	IF ON SKIN: Wash with plenty of soap and water.
P304+340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P304+341	IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
P342+311	If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.

During recent review the Safety Data Sheet was revised completely.

The information in this Safety Data Sheet is based on current knowledge and on current EC and national laws, as far as the working conditions of the users is beyond our knowledge and control. The product must not be used for purposes other than those that are specified without first having written instructions on how to handle. It is always the responsibility of the user to take the appropriate measures in order to comply with the requirements established by current legislation. The information contained in this Safety Sheet only states a description of the safety requirements for the preparation, and it must not be considered as a guarantee of its properties.

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