

# SOUTHERN GROUP LABORATORY LIMITED

## SAFETY DATA SHEET

<b>SECTION 1.</b>	<b>IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING</b>
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### **1.1 Product identifier**

**Product name** Selenite F Broth

**SGL Product code** 3311

This product is a mixture

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

**Identified uses** Product for laboratory use

**Uses advised against** No information on uses against available

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

**Supplier** Southern Group Laboratory,  
Cavendish Courtyard, Sallow Road,  
Weldon North Industrial Estate,  
Corby, Northants,  
United Kingdom  
NN17 5JX

TEL: +44(0) 1536 403815

FAX: +44(0) 1536 403814

EMAIL: [info@sglab.co.uk](mailto:info@sglab.co.uk)

Available 9am-5pm (UK time) Mon to Fri except UK public holidays

**Emergency telephone** NHS TEL (UK): 111  
NHS Wales TEL (UK): 111 or 0845 46 47

<b>SECTION 2. HAZARDS IDENTIFICATION</b>
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**2.1 Classification of the substance or mixture**

Classification according to regulation (EC) No 1272/2008

**Physical hazards**

Based on available data, no classification met

**Health hazards**

Acute Toxicity – Oral (category 4): H302

**Environmental hazards**

Based on available data, no classification met

**2.2. Label elements**

**Pictogram**



**Signal word**

Warning

**Hazard statements**

H302: Harmful if swallowed

**Precautionary statements**

P264: Wash hands thoroughly after handling  
P270: Do not eat, drink or smoke when using this product.  
P301+P312: IF SWALLOWED: Call a POISON Center or doctor/physician if you feel unwell.  
P330: Rinse mouth.  
P501: Dispose of contents/container in accordance with national regulations.

**Supplementary Precautionary Statements**

None

**2.3. Other hazards**

None

<b>SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS</b>
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**3.1. Substances**

Not applicable

**3.2 Mixtures**

Name	EC No.	CAS-No.	Concentration	Classification
Sodium selenite	233-267-9	10102-18-8	<0.5% w/v	Acute toxicity (inhalation) 3: H331 Acute toxicity (oral) 2: H300 Skin sensitisation 1: H317 Hazardous to aquatic environment, chronic. 2: H411

**Composition comments**

The data shown are in accordance with Regulation (EC) No. 1272/2008.

<b>SECTION 4. FIRST-AID MEASURES</b>
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**4.1 Description of first aid measures**

**Inhalation** Immediately remove from exposure to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms get medical attention

**Ingestion** Wash out mouth thoroughly with water and give water to drink. Immediately call a POISON CENTER or doctor/physician.

**Skin contact** Wash off thoroughly with plenty of soap and water. Remove contaminated clothing and wash before re-use. If symptoms occur get medical advice and/or attention.

**Eye Contact** Immediately irrigate thoroughly with water for at least 15 minutes. If symptoms occur obtain medical advice and/or attention.

**Self Protection of the first aider** Wear gloves (nitrile rubber recommended). Wash hands thoroughly after handling.

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

The following applies to selenium compounds in general. Strong irritant effects on mucous membranes especially in the eye and in the respiratory tract.

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

**Notes for doctor** No specific recommendations

<b>SECTION 5.</b>	<b>FIRE – FIGHTING MEASURES</b>
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**5.1. Extinguishing media**

**Suitable extinguishing media** Water, foam, carbon dioxide (CO<sub>2</sub>), powder

**Unsuitable extinguishing media** None identified

Prevent fire fighting media from entering watercourses or ground water

**5.2. Special hazards arising from the substance or mixture**

**Hazardous combustion products** Possible generation of hazardous gases or vapours in event of fire

**5.3. Advice for firefighters**

**Protective actions during firefighting** Wear self contained breathing apparatus (SCBA)

<b>SECTION 6.</b>	<b>ACCIDENTAL RELEASE MEASURES</b>
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**6.1. Personal precautions, protective equipment and emergency procedures**

Wear personal protective clothing as described in Section 8 of this safety data sheet

**6.2. Environmental precautions**

Must not be released into the environment

**6.3. Methods and material for containment and cleaning up**

Collect spillage using suitable non-combustible material. Seal material in closed container avoiding the generation of aerosols or vapours. Wear personal protective clothing as recommended in Section 8. Cover drains to avoid releasing into environment. Dispose as recommended in Section 13.

**6.4. Reference to other sections**

Section 8 for protective measures  
Section 13 for disposal considerations

<b>SECTION 7.</b>	<b>HANDLING AND STORAGE</b>
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**7.1 Precautions for safe handling**

Wear personal protective clothing. Avoid contact with skin, eyes and clothing. Avoid formation of aerosols or vapours. Change contaminated clothing. Wash hands after working with material.

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

Store according to label requirements. Keep closed.

**7.3 Specific end use(s)**

Use in laboratories

<b>SECTION 8.</b>	<b>EXPOSURE CONTROLS/PERSONAL PROTECTION</b>
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**8.1 Control parameters**

Component	CAS No	Long Term Exposure Limit (8 hr TWA Reference Period)	Short Term Exposure (15 Min Reference Period)	Basis	Comments
Sodium selenite	10102-18-8	0.1 mg/m <sup>3</sup>	Not Stated	UK. EH40 Workplace Exposure Limits	Expressed as Selenium and compounds

For those substances for which no short-term limit is specified, it is recommended that a figure of three times the long-term limit be used as a guideline for controlling short-term peaks in exposure.

**8.2 Exposure controls**

**Engineering measures**

Avoid inhalation of vapours. Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

**Protective equipment**



**Eye/face protection**

Safety glasses complying with Standard EN166 if splashes are likely to occur

**Hand protection**

Disposable nitrile rubber gloves complying with EC Directive 89/686/EEC and Standard EN374  
 See manufacturer's recommendations for break through times

**Other skin and body protection** Long sleeved clothing

**Hygiene measures**

Wash hands immediately after use

**Respiratory protection**

None needed during normal use

<b>SECTION 9.</b>	<b>PHYSICAL AND CHEMICAL PROPERTIES</b>
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**9.1. Information on basic physical and chemical properties**

<b>Appearance</b>	Liquid
<b>Colour</b>	Colourless to pale yellow/pink
<b>Odour</b>	No data available
<b>Odour threshold</b>	No data available
<b>pH</b>	6.8 to 7.2 at 20-25°C
<b>Melting point/freezing point</b>	No data available
<b>Initial boiling point and boiling range</b>	No data available
<b>Flash point</b>	No data available
<b>Evaporation rate</b>	No data available
<b>Flammability (solid, gas)</b>	No data available
<b>Upper/lower flammability or explosive limits</b>	
<b>Lower explosion limit (VOL-%)</b>	No data available
<b>Upper explosion limit (VOL-%)</b>	No data available
<b>Vapour pressure</b>	No data available
<b>Vapour density</b>	No data available
<b>Relative density</b>	No data available
<b>Solubility(ies)</b>	No data available
<b>Partition coefficient: n-octanol/water</b>	No data available
<b>Auto-ignition temperature</b>	No data available
<b>Decomposition temperature</b>	No data available
<b>Viscosity</b>	No data available
<b>Explosive properties</b>	No data available
<b>Oxidising properties</b>	No data available

**9.2. Other information**

None

<b>SECTION 10.</b>	<b>STABILITY AND REACTIVITY</b>
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**10.1 Reactivity**

None known

**10.2 Chemical stability**

Stable under storage at normal conditions

**10.3 Possibility of hazardous reactions**

None known

**10.4 Conditions to avoid**

None known

### **10.5 Incompatible materials**

None known

### **10.6 Hazardous decomposition products**

None known

<b>SECTION 11. TOXICOLOGICAL INFORMATION</b>
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### **11.1 Information on toxicological effects**

The acute toxicity data is based on the mixture

<b>Acute oral toxicity</b> <b>ATE<sub>mix</sub></b> <b>Method</b>	Acute Toxicity 4: H302 Harmful if swallowed >300 - <2000 mg/kg Calculation
<b>Acute dermal toxicity</b>	No data available.
<b>Acute inhalation toxicity</b> <b>ATE<sub>mix</sub> (vapour)</b> <b>Method</b>	Classification criteria are not met. >20 mg/l Calculation
<b>Acute inhalation toxicity</b> <b>ATE<sub>mix</sub> (dust/mist)</b> <b>Method</b>	Classification criteria are not met. >5mg/l Calculation
<b>Skin corrosion/irritation</b>	No data available
<b>Serious eye damage/irritation</b>	No data available
<b>Respiratory or skin sensitisation</b>	No data available
<b>Germ cell mutagenicity</b>	No data available
<b>Carcinogenicity</b>	No data available
<b>Reproductive toxicity</b>	No data available
<b>STOT single exposure</b>	No data available
<b>STOT repeated exposure</b>	No data available
<b>Aspiration hazard</b>	No data available

### **11.2 Additional information**

The following applies to selenium compounds in general. Strong irritant effects on mucous membranes especially in the eye and in the respiratory tract.

<b>SECTION 12.</b>	<b>ECOLOGICAL INFORMATION</b>
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**12.1 Toxicity**

No information available

**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**

None known

<b>SECTION 13.</b>	<b>DISPOSAL CONSIDERATIONS</b>
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**13.1 Waste treatment methods**

Dispose of in accordance with applicable local and national regulations.

<b>SECTION 14.</b>	<b>TRANSPORT INFORMATION</b>
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**Land transport (ADR/RID) / Sea transport (IMDG) / Air transport (ICAO-TI/IATA-DGR)**

<b>14.1 <u>UN number</u></b>	3440
<b>14.2 <u>UN proper shipping name</u></b>	SELENIUM COMPOUND, LIQUID, N.O.S. (CONTAINS SODIUM SELENITE)
<b>14.3 <u>Transport hazard class(es)</u></b>	6.1
<b>14.4 <u>Packing group</u></b>	III
<b>14.5 <u>Environmental hazards</u></b>	None
<b>14.6 <u>Special precautions for user</u></b>	Tunnel restriction E



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

Not applicable, packaged goods

<b>SECTION 15.</b>	<b>REGULATORY INFORMATION</b>
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#### **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

EU legislation Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of Substances and mixtures (as amended).

#### **15.2 Chemical safety assessment**

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

<b>SECTION 16.</b>	<b>OTHER INFORMATION</b>
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#### **16.1 Relevant H- and EUH-phrases (number and full text)**

H300: Fatal if swallowed  
H302: Harmful if swallowed  
H317: May cause an allergic skin reaction  
H331: Toxic if inhaled  
H411: Toxic to aquatic life with long lasting effects

#### **16.2 Additional information**

The above information is based on present knowledge, but does not purport to be inclusive and should only be used as a guide. Southern Group Laboratory shall not be held liable for any damage resulting from handling or from contact with the above product.

The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made up material.

#### **16.3 Revision summary**

**Changes to this issue** Updated Section 14 - transport information. UN3440 code added with associated information.

Revision Date: 26.11.2021  
Issue No: 02

**END OF SAFETY DATA SHEET**