

# 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** Sulphur Limited Agar

**SGL Product code** 8147

This product is a mixture

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

**Identified uses** Reagent for laboratory analysis

**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.

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**Emergency telephone** NHS Direct: 0845 4647 (England and Wales)  
NHS 24: 08454 24 24 24 (Scotland)



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

Name	EC No.	CAS-No.	Concentration	Classification
Hydrochloric acid 37%	231-595-7	7647-01-0	<0.1% w/v	Skin corrosion 1B:H314 Specific Target Organ Toxicity (STOT), Single Exposure (SE) 3: H335 Substance Corrosive to Metals 1: H290
Ammonium chloride	235-186-4	12125-02-9	<1% w/v	Acute Toxicity 4 (oral): H302 Eye Irritation 2: H319
Citric acid monohydrate	691-328-9	5949-29-1	<0.1% w/v	Eye Irritation 2: H319
Zinc oxide	215-222-5	1314-13-2	<0.01% w/v	Hazardous to the Aquatic Environment, Acute 1: H400 Hazardous to the Aquatic Environment, Chronic 1: H410
Iron (III) chloride	231-729-4	7705-08-0	<0.01% w/v	Acute Toxicity 4 (oral) 4: H302 Serious Eye Damage 1: H318 Skin Irritation 2: H315
Manganese chloride hexahydrate	603-826-5	13446-34-9	<0.01% w/v	Acute Toxicity 4 (oral): H302 Hazardous to the Aquatic Environment, Chronic 2: H411
Cupric chloride dehydrate	600-176-4	10125-13-0	<0.01% w/v	Acute Toxicity 4 (oral): H302 Eye Irritation 2: H319 Skin Irritation 2: H315 Hazardous to the Aquatic Environment, Chronic 1: H410
Cobalt chloride hexahydrate	616-574-6	7791-13-1	<0.01% w/v	Carcinogenicity 1B: H350 Germ Cell Mutagenicity 2: H341 Reproductive Toxicity 1B: H360 Acute Toxicity 4 (oral): H302 Respiratory Sensitisation 1: H334 Skin Sensitisation 1: H317 Hazardous to the Aquatic Environment, Chronic 1: H410

**Composition comments**

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

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

- Inhalation** Remove from exposure.
- Ingestion** Wash out mouth thoroughly with water. In severe cases and/or if symptoms occur, obtain medical attention.
- Skin contact** Wash off thoroughly with soap and water. Remove contaminated clothing and wash before re-use.
- Eye Contact** Irrigate thoroughly with water for at least 15 minutes. Obtain medical attention if symptoms persist.
- Self Protection of the first aider** No special precautions identified.

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

None expected under normal circumstances. In extreme cases may cause nausea, vomiting and/or diarrhoea if ingested.

**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 fog, foam, carbon dioxide (CO<sub>2</sub>), dry 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**

Should not be released into the environment.

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

Collect and seal material in closed container. Wear personal protective clothing as recommended in Section 8. Wash site of spillage thoroughly with water and detergent. 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. 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
Hydrochloric acid 37%	7647-01-0	2 mg/m <sup>3</sup> (1 ppm)	8 mg/m <sup>3</sup> (5 ppm)	UK EH40 Workplace Exposure Limits	Not applicable

## 8.2 Exposure controls

### Engineering measures

Avoid contact with skin, eyes and clothing. Wash hands before breaks.

### Protective equipment



### Eye/face protection

None needed during normal use.

### Hand protection

Disposable nitrile rubber gloves complying with EC Directive 89/686/EEC and Standard EN374  
Glove thickness of 0.11mm  
See manufacturer's recommendations for break through times  
Material tested: Not applicable

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

### Hygiene measures

Wash hands 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>	Solid
<b>Colour</b>	Light yellow
<b>Odour</b>	No data available
<b>Odour threshold</b>	No data available
<b>pH</b>	6.8 to 7.2 at 20°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**

No data available.

**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>	Classification criteria are not met.
<b>ATE<sub>mix</sub></b>	>2000 mg/kg
<b>Method</b>	Calculation
<b>Acute dermal toxicity</b>	No data available
<b>Acute inhalation toxicity</b>	No data available
<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**

In extreme cases may cause nausea, vomiting and/or diarrhoea if ingested.



<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**

Sterilise used containers by, for example, autoclaving before final disposal. Dispose of in accordance with applicable local and national regulations.

Waste should not be disposed of by release to sewers.

<b>SECTION 14.</b>	<b>TRANSPORT INFORMATION</b>
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Not classified as dangerous according to transport regulations.

**Land transport (ADR/RID) / Sea transport (IMDG) / Air transport (ICAO-TI/IATA-DGR)**

<b>14.1 <u>UN number</u></b>	Not applicable
<b>14.2 <u>UN proper shipping name</u></b>	Not applicable
<b>14.3 <u>Transport hazard class(es)</u></b>	Not applicable
<b>14.4 <u>Packing group</u></b>	Not applicable
<b>14.5 <u>Environmental hazards</u></b>	No data available

**14.6 Special precautions for user** No data available

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

Not applicable, packaged goods.

<b>SECTION 15. 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. OTHER INFORMATION</b>
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**16.1 Relevant H- and EUH-phrases (number and full text)**

H290: May be corrosive to metals  
H302: Harmful if swallowed  
H314: Causes severe skin burns and eye damage  
H315: Causes skin irritation  
H317: May cause an allergic skin reaction  
H318: Causes serious eye damage  
H319: Causes serious eye irritation  
H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled  
H335: May cause respiratory irritation  
H341: Suspected of causing genetic defects  
H350: May cause cancer  
H360: May damage fertility or the unborn child  
H400: Very toxic to aquatic life  
H410: Very toxic to aquatic life with long lasting effects  
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.

SGL Ref: HAZ8147  
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Revision Date: 10 December 2018

### **16.3 Revision summary**

**Changes to this issue** Updated to format compliant with Regulation (EC) No 1907/2006 (REACH), the Globally Harmonized System of Classification and Labelling of Chemicals (GHS) and Regulation (EC) No 1272/2008 (CLP).

Revision Date: 10.12.2018  
Issue No: 02

**END OF SAFETY DATA SHEET**