# Sodium Alginate

## Section 1: Identification of the substance/ mixture and of the company/ undertaking.

### 1.1 Product identifier

<table>
<thead>
<tr>
<th>Product name</th>
<th>Sodium Alginate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Other names</td>
<td></td>
</tr>
<tr>
<td>CAS No.</td>
<td>9005-38-3</td>
</tr>
<tr>
<td>Index No.</td>
<td></td>
</tr>
<tr>
<td>EC No.</td>
<td></td>
</tr>
<tr>
<td>Product code</td>
<td>0001311</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Product use</th>
<th>Laboratory chemicals, manufacture of substances, Scientific R&amp;D</th>
</tr>
</thead>
</table>

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

<table>
<thead>
<tr>
<th>Company</th>
<th>Breckland Scientific Supplies Ltd</th>
</tr>
</thead>
<tbody>
<tr>
<td>Address</td>
<td>Antom Court, Tollgate Drive, Stafford, ST16 3AF</td>
</tr>
<tr>
<td>Web</td>
<td><a href="http://www.brecklandscientific.co.uk">www.brecklandscientific.co.uk</a></td>
</tr>
<tr>
<td>Telephone</td>
<td>01785 227 227</td>
</tr>
<tr>
<td>Fax</td>
<td>01785 227 444</td>
</tr>
<tr>
<td>Email</td>
<td><a href="mailto:msds@brecklandscientific.co.uk">msds@brecklandscientific.co.uk</a></td>
</tr>
<tr>
<td>Emergency telephone</td>
<td>08:30-17:00 01785 227227 24hrs 112</td>
</tr>
</tbody>
</table>

## Section 2: Hazards identification

### 2.1 Classification of the substance or mixture

<table>
<thead>
<tr>
<th>2.1.1 Classification - 67/548/EEC</th>
<th>Not a hazardous substance or mixture</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.1.2 Classification – EC 1272/2008</td>
<td></td>
</tr>
</tbody>
</table>

### 2.2 Label elements

<table>
<thead>
<tr>
<th>Hazard Pictograms</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Signal word</td>
<td></td>
</tr>
<tr>
<td>Hazard statement</td>
<td>: Not a hazardous substance or mixture</td>
</tr>
</tbody>
</table>
Section 3: Composition/information on ingredients

3.1 Substances

67/548/EEC/1999/45/EC

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Index No.</th>
<th>CAS No.</th>
<th>EINECS No.</th>
<th>Classification</th>
<th>Conc</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Alginate</td>
<td></td>
<td>9005-38-3</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

EC 1272/2008

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Index No.</th>
<th>CAS No.</th>
<th>EINECS No.</th>
<th>Classification</th>
<th>Conc</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Alginate</td>
<td></td>
<td>9005-38-3</td>
<td></td>
<td>Not a hazardous substance or mixture</td>
<td>90-100</td>
</tr>
</tbody>
</table>

Section 4: First aid measures

4.1 Description of first aid measures

**Inhalation:** Move the exposed person to fresh air. If breathing stops, provide artificial respiration.

**Eye contact:** Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention.

**Skin contact:** Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash off immediately with plenty of soap and water. Seek medical attention if irritation or symptoms persist.

**Ingestion:** DO NOT INDUCE VOMITING. Never give anything by mouth to an unconscious person. Rinse mouth thoroughly. Seek medical attention.

**General information:** If you feel unwell, seek medical advice (show the label where possible).

Section 5: Firefighting measures

5.1 Extinguishing media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

5.2 Special hazards arising from substances or mixture: No data available.

5.3 Advice for firefighters: Wear suitable respiratory equipment when necessary.

Section 6: Accidental release measures
### Section 6: Personal precaution, protective equipment and emergency procedures

<table>
<thead>
<tr>
<th>6.1 Personal precaution, protective equipment and emergency procedures</th>
<th>Wear suitable protective clothing. Avoid breathing vapours, mist or gas. Avoid formation of dust. Ensure adequate ventilation of the working area. Evacuate personnel to a safe area.</th>
</tr>
</thead>
<tbody>
<tr>
<td>6.2 Environmental precautions</td>
<td>Prevent further spillage if safe. Do not allow product to enter drains</td>
</tr>
<tr>
<td>6.3 Methods and materials for containments and cleaning up</td>
<td>Avoid raising dust. Sweep up. Transfer to suitable, labelled containers for disposal.</td>
</tr>
</tbody>
</table>

### Section 7: Handling and storage

| 7.1 Precautions for safe handling | Handle in accordance with good industrial hygiene and safety practice. Avoid formation of dust. Ensure adequate ventilation of the working area. |
| 7.2 Conditions for safe storage including any incompatibilities | Store in a cool, dry area. Keep container tightly closed. |

### Section 8: Exposure controls/ personal protection

#### 8.1 Control parameters

##### 8.1.1 Exposure limit values

<table>
<thead>
<tr>
<th>Sodium Alginate CAS No: 9005-38-3</th>
<th>Long Term (8hr TWA)</th>
<th>Short term (15min period STEL)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ppm</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Mg/m³</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

#### 8.2 Exposure controls

<table>
<thead>
<tr>
<th>Appropriate engineering controls</th>
<th>Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of the working day. Ensure adequate ventilation of the working area.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eye/ face protection</td>
<td>Approved safety glasses. Face shield where appropriate.</td>
</tr>
<tr>
<td>Skin/ hand protection</td>
<td>Wear suitable protective clothing and gloves.</td>
</tr>
<tr>
<td>Respiratory protection</td>
<td>Where risk assessment shows it is necessary, use a dust mask type or breathing apparatus.</td>
</tr>
</tbody>
</table>

### Section 9: Physical and chemical properties
9.1 Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>State</td>
<td>Solid</td>
</tr>
<tr>
<td>Colour</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting point °C</td>
<td>No data available</td>
</tr>
<tr>
<td>Boiling point °C</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative density g/cm³</td>
<td>No data available</td>
</tr>
<tr>
<td>Chemical formula</td>
<td></td>
</tr>
<tr>
<td>Molecular weight g/mol</td>
<td></td>
</tr>
</tbody>
</table>

Section 10: Stability and reactivity

<table>
<thead>
<tr>
<th>Category</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>10.1 Reactivity</td>
<td>No data available</td>
</tr>
<tr>
<td>10.2 Chemical stability</td>
<td>Stable under normal conditions</td>
</tr>
<tr>
<td>10.3 Possibility of hazardous reactions</td>
<td>No data available</td>
</tr>
<tr>
<td>10.4 Conditions to avoid</td>
<td>No data available</td>
</tr>
<tr>
<td>10.5 Incompatible materials</td>
<td>No data available</td>
</tr>
<tr>
<td>10.6 Hazardous decomposition products</td>
<td>No data available</td>
</tr>
</tbody>
</table>

Section 11: Toxicological information

11.1 Information on toxicological effects:

<table>
<thead>
<tr>
<th>Toxicity</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity</td>
<td>No data available</td>
</tr>
<tr>
<td>Germ cell mutagenicity</td>
<td>No data available</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>No data available</td>
</tr>
<tr>
<td>Reproductive toxicity</td>
<td>No data available</td>
</tr>
</tbody>
</table>

11.4 Toxicological information

<table>
<thead>
<tr>
<th>Substance</th>
<th>Oral Rat LD50 mg/kg: 5000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Alginate</td>
<td></td>
</tr>
</tbody>
</table>

Section 12: Ecological information

12.1 Toxicity

Toxicity to daphnia and other aquatic vertebrates

<table>
<thead>
<tr>
<th>Substance</th>
<th>ECS0 Daphnia magna: No data available (Water flea) mg/l - 48hr</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Alginate</td>
<td></td>
</tr>
</tbody>
</table>

Section 13: Disposal considerations
General information
Dispose of in compliance with all local and national regulations.

Disposal methods
Contact a licensed waste disposal company. Dispose of this material and its container to hazardous or special waste collection point.

Section 14: Transport information
ARD/RID
14.1. UN Number:
ADR/RID: 
IMDG: 
IATA:

14.2 UN Proper shipping name: Sodium Alginate
14.3. Transport hazard class(es): N/A
14.4. Packing group:
14.5 Environmental hazards:
ADR/RID: no 
IMDG Marine pollutant: no 
IATA: no

Section 15: Regulatory information
15.1 Safety, health and environmental regulations/ legislation specific for the substance or mixture
Regulations 
Labelling according to Regulation (EC) No 1272/2008.

Section 16: Other information
16.1: Other information
Text of risk phrases in Section 3
Not a hazardous substance or mixture 
Not a hazardous substance or mixture
Text of hazard statements in Section 3
Not a hazardous substance or mixture

16.2 Further information

| Further information | The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials. Breckland Scientific Supplies Limited will not be held liable for any damage or injury caused by this product and does not obviate the requirement for end users to carry out their own workplace and specific use risk assessment. |