

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

#### 1.1. Product identifier

|                |                                    |
|----------------|------------------------------------|
| Product form   | : Substance                        |
| Substance name | : Sodium sulfite anhydrous         |
| IUPAC name     | : Sodium Sulphite                  |
| EC-No.         | : 231-821-4                        |
| CAS-No.        | : 7757-83-7                        |
| Product code   | : 31377880                         |
| Formula        | : Na <sub>2</sub> O <sub>3</sub> S |
| Product group  | : Raw material                     |

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

##### 1.2.1. Relevant identified uses

|                                  |  |
|----------------------------------|--|
| Main use category                | : Laboratory use, Industrial use, Professional use |
| Industrial/Professional use spec | : For professional use only                        |

##### 1.2.2. Uses advised against

No additional information available

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

Scafell Organics  
Molekula Ltd  
Lingfield Way  
P.O. Box DL1 4XX  
Darlington - England  
T +44 (0) 3302 000 333  
[info@molekula.com](mailto:info@molekula.com) / [kevinbanks@molekula.com](mailto:kevinbanks@molekula.com) - [www.molekula.com](http://www.molekula.com)

#### 1.4. Emergency telephone number

Emergency number : +44 (0) 7769276927

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

##### Adverse physicochemical, human health and environmental effects

No additional information available

#### 2.2. Label elements

Not classified.

#### 2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

| Name                     | Product identifier                        | %   |
|--------------------------|---|-----|
| Sodium sulfite anhydrous | (CAS-No.) 7757-83-7<br>(EC-No.) 231-821-4 | 100 |

#### 3.2. Mixtures

Not applicable

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

|                                       |   |
|---------------------------------------|---|
| First-aid measures general            | : If possible show this sheet, if not available show packaging or label. Never give anything by mouth to an unconscious person. Do not leave affected person unattended.  |
| First-aid measures after inhalation   | : If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Give oxygen or artificial respiration if necessary. If breathing difficulties persist : Get medical advice/attention. |
| First-aid measures after skin contact | : After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water. Do not remove clothing if it sticks to the skin. If irritation persists, consult a doctor.                        |
| First-aid measures after eye contact  | : Rinse immediately with plenty of water. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.   |

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First-aid measures after ingestion : Rinse mouth out with water. Do not induce vomiting. Get medical advice/attention.

### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects : Not expected to present a significant hazard under anticipated conditions of normal use.  
Symptoms/effects after inhalation : Dust of the product, if present, may cause respiratory irritation after an excessive inhalation exposure.  
Symptoms/effects after skin contact : Dust may cause irritation in skin folds or by contact in combination with tight clothing.  
Symptoms/effects after eye contact : Dust from this product may cause eye irritation. redness, itching, tears.  
Symptoms/effects after ingestion : May cause irritation to the digestive tract. Abdominal pain, nausea.

### 4.3. Indication of any immediate medical attention and special treatment needed

Get immediate medical advice/attention.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.  
Unsuitable extinguishing media : Do not use a heavy water stream.

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

Hazardous decomposition products in case of fire : Sodium Oxides. Sulphur oxides.

### 5.3. Advice for firefighters

Precautionary measures fire : Keep container tightly closed and away from heat, sparks and flame. Keep away from combustible materials.  
Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.  
Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.  
Other information : Warn all persons of toxic hazard.

## SECTION 6: Accidental release measures

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

General measures : Isolate from fire, if possible, without unnecessary risk. Avoid dust formation. No flames, no sparks. Eliminate all sources of ignition.

#### 6.1.1. For non-emergency personnel

Protective equipment : Wear recommended personal protective equipment.  
Emergency procedures : Evacuate unnecessary personnel. Mark out the contaminated area with signs and prevent access to unauthorized personnel. Do not touch or walk on the spilled product. Avoid contact with skin, eyes and clothing.  
Measures in case of dust release : Keep upwind. Ventilate the area thoroughly, especially low lying areas (basements, workpits etc).

#### 6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection. Use self-contained breathing apparatus and chemically protective clothing.  
Emergency procedures : Ventilate area.

### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

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

Methods for cleaning up : On land, sweep or shovel into suitable containers. Minimise generation of dust. Store away from other materials.

### 6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Avoid creating or spreading dust. Provide local exhaust or general room ventilation.  
Hygiene measures : Take off immediately all contaminated clothing and wash it before reuse. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Do not eat, drink or smoke when using this product.

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

Technical measures : Ensure adequate ventilation, especially in confined areas.  
Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Heat sources, Direct sunlight. Keep container closed when not in use. Air sensitive. Moisture sensitive. Protect from moisture.  
Incompatible products : Strong oxidisers. Acids.  
Incompatible materials : Sources of ignition. Direct sunlight. Heat sources. air. Moisture. Water, humidity.  
Heat and ignition sources : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

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Storage area : Store at ambient temperature. Store in dry protected location to prevent any moisture contact.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No additional information available

### 8.2. Exposure controls

#### Appropriate engineering controls:

Handle in accordance with good industrial hygiene and safety procedures.

#### Personal protective equipment:

Avoid all unnecessary exposure.

#### Hand protection:

The protective gloves to be used must comply with the specifications of the regulation 2016/425 and the resultant standard EN 374

| Type              | Material             | Permeation        | Thickness (mm) | Penetration | Standard |
|-------------------|----------------------|-------------------|----------------|-------------|----------|
| Disposable gloves | Nitrile rubber (NBR) | 6 (> 480 minutes) | 0.11           |             | EN 374   |

#### Eye protection:

Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure

| Type           | Use  | Characteristics   | Standard |
|----------------|------|-------------------|----------|
| Safety glasses | Dust | With side shields | EN 166   |

#### Skin and body protection:

Emergency safety showers should be available in the immediate vicinity of any potential exposure. Keep suitable chemically resistant protective clothing readily available for emergency use

| Type                             | Standard     |
|----------------------------------|--------------|
| Long sleeved protective clothing | EN ISO 13982 |

#### Respiratory protection:

Keep self contained breathing apparatus readily available for emergency use. Where exposure through inhalation may occur from use, respiratory protection equipment is recommended

| Device    | Filter type | Condition       | Standard |
|-----------|-------------|-----------------|----------|
| Dust mask | Type P1     | Dust protection | EN 14387 |

#### Other information:

Do not eat, drink or smoke during use.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

|  |                                |
|--|--------------------------------|
| Physical state                             | : Solid                        |
| Appearance                                 | : Crystalline powder.          |
| Molecular mass                             | : 126.04 g/mol                 |
| Colour                                     | : White to off white.          |
| Odour                                      | : No data available.           |
| Odour threshold                            | : No data available            |
| pH   | : 9 - 10.5 at 126 g/l at 25 °C |
| Relative evaporation rate (butylacetate=1) | : No data available            |
| Melting point                              | : No data available            |
| Freezing point                             | : No data available            |
| Boiling point                              | : No data available            |
| Flash point                                | : No data available            |
| Auto-ignition temperature                  | : No data available            |
| Decomposition temperature                  | : No data available            |
| Flammability (solid, gas)                  | : Non flammable.               |
| Vapour pressure                            | : No data available            |
| Relative vapour density at 20 °C           | : No data available            |

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|                      |                          |
|----------------------|--------------------------|
| Relative density     | : 2.63 g/cm <sup>3</sup> |
| Solubility           | : No data available      |
| Log Pow              | : No data available      |
| Viscosity, kinematic | : No data available      |
| Viscosity, dynamic   | : No data available      |
| Explosive properties | : No data available      |
| Oxidising properties | : No data available      |
| Explosive limits     | : No data available      |

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

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

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use. Contact with acids liberates toxic gas.

### 10.4. Conditions to avoid

Protect from sunlight. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

### 10.5. Incompatible materials

Strong oxidizers. Acids.

### 10.6. Hazardous decomposition products

No hazardous decomposition products known at room temperature. Thermal decomposition generates : Sulphur oxides. Sodium Oxides.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

|                             |                  |
|-----------------------------|------------------|
| Acute toxicity (oral)       | : Not classified |
| Acute toxicity (dermal)     | : Not classified |
| Acute toxicity (inhalation) | : Not classified |

| Sodium sulfite anhydrous (7757-83-7) |              |
|--------------------------------------|--------------|
| LD50 oral rat                        | 3560 mg/kg   |
| LD50 dermal rat                      | > 2000 mg/kg |

|   |   |
|---|---|
| Skin corrosion/irritation                           | : Not classified<br>pH: 9 - 10.5 at 126 g/l at 25 °C                |
| Additional information                              | : Based on available data, the classification criteria are not met  |
| Serious eye damage/irritation                       | : Not classified<br>pH: 9 - 10.5 at 126 g/l at 25 °C                |
| Additional information                              | : Based on available data, the classification criteria are not met  |
| Respiratory or skin sensitisation                   | : Not classified  |
| Additional information                              | : Based on available data, the classification criteria are not met  |
| Germ cell mutagenicity                              | : Not classified  |
| Additional information                              | : Based on available data, the classification criteria are not met  |
| Carcinogenicity                                     | : Not classified  |
| Additional information                              | : Based on available data, the classification criteria are not met  |
| Reproductive toxicity                               | : Not classified  |
| Additional information                              | : Based on available data, the classification criteria are not met  |
| STOT-single exposure                                | : Not classified  |
| Additional information                              | : Based on available data, the classification criteria are not met  |
| STOT-repeated exposure                              | : Not classified  |
| Additional information                              | : Based on available data, the classification criteria are not met  |
| Aspiration hazard                                   | : Not classified  |
| Additional information                              | : Based on available data, the classification criteria are not met  |
| Potential adverse human health effects and symptoms | : Based on available data, the classification criteria are not met. |

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### SECTION 12: Ecological information

#### 12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute) : Not classified

Hazardous to the aquatic environment, long-term (chronic) : Not classified

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|             |   |
|-------------|---|
| LC50 fish 1 | 660 mg/l <i>Gambusia affinis</i> (Mosquito fish) 96hr |
|-------------|---|

#### 12.2. Persistence and degradability

##### Sodium sulfite anhydrous (7757-83-7)

|                               |                    |
|-------------------------------|--------------------|
| Persistence and degradability | No data available. |
|-------------------------------|--------------------|

#### 12.3. Bioaccumulative potential

##### Sodium sulfite anhydrous (7757-83-7)

|                           |                    |
|---------------------------|--------------------|
| Bioaccumulative potential | No data available. |
|---------------------------|--------------------|

#### 12.4. Mobility in soil

No additional information available

#### 12.5. Results of PBT and vPvB assessment

##### Sodium sulfite anhydrous (7757-83-7)

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

#### 12.6. Other adverse effects

Additional information : Avoid release to the environment.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

Ecology - waste materials : Avoid release to the environment.

### SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

| ADR                                     | IMDG          | IATA          | ADN           | RID           |
|---|---------------|---------------|---------------|---------------|
| <b>14.1. UN number</b>                  |               |               |               |               |
| Not regulated                           | Not regulated | Not regulated | Not regulated | Not regulated |
| <b>14.2. UN proper shipping name</b>    |               |               |               |               |
| Not regulated                           | Not regulated | Not regulated | Not regulated | Not regulated |
| <b>14.3. Transport hazard class(es)</b> |               |               |               |               |
| Not regulated                           | Not regulated | Not regulated | Not regulated | Not regulated |
| <b>14.4. Packing group</b>              |               |               |               |               |
| Not regulated                           | Not regulated | Not regulated | Not regulated | Not regulated |
| <b>14.5. Environmental hazards</b>      |               |               |               |               |
| Not regulated                           | Not regulated | Not regulated | Not regulated | Not regulated |

No supplementary information available

#### 14.6. Special precautions for user

##### Overland transport

Not regulated

##### Transport by sea

Not regulated

##### Air transport

Not regulated

##### Inland waterway transport

Not regulated

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### Rail transport

Not regulated

### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

## SECTION 15: Regulatory information

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

#### 15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Sodium sulfite anhydrous is not on the REACH Candidate List

Directive 2012/18/EU (SEVESO III)

#### 15.1.2. National regulations

No additional information available

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out for the substance or the mixture by the supplier

## SECTION 16: Other information

Data sources : 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, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Other information : None.

#### Full text of H- and EUH-statements:

|        |   |
|--------|---|
| EUH031 | Contact with acids liberates toxic gas. |
|--------|---|

SDS EU (REACH Annex II)

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*