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## Section 1. Identification

### 1.1 Product Identifier 0610

Product Name SODIUM METABISULPHITE

CAS Number 7681-57-4

REACH Registration No 01-2119531326-45-XXXX

Molecular Formula  $\text{Na}_2\text{S}_2\text{O}_5 = 190.10$

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

Uses of Material Chemical for industrial and laboratory use. Not suitable for domestic use.

### 1.3 Supplier Vickers Laboratories Ltd



Grangefield Industrial Estate  
Richardshaw Road  
Pudsey  
West Yorkshire  
LS28 6QW  
UNITED KINGDOM

Phone 44 0113 2362811  
Fax +44(0)113 2362703  
Email [safety@viclabs.co.uk](mailto:safety@viclabs.co.uk)  
Website [www.viclabs.co.uk](http://www.viclabs.co.uk)

### 1.4 Emergency Telephone (08:00-16:30) +44(0) 113 2362811 (24hr) 112 (Have this document to hand)

## Section 2. Hazards Identification

### 2.1 Classification of the substance or mixture

#### Classification according to regulation 1272/2008/EC

Acute toxicity, category 4 (oral)

Serious eye damage/irritation, category 1

H302: Harmful if swallowed.

H318: Causes serious eye damage.

### 2.2 Label elements

#### Labelling according to regulation 1272/2008/EC

Signal word Danger

Hazard Pictograms



Hazard Statements Harmful if swallowed. Causes serious eye damage.

Precautionary Statements    Wear protective gloves / protective clothing / eye protection. Wash thoroughly after handling. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do and continue rinsing. IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth.

Supplemental Hazard Information (EU)    Contact with acids liberates toxic gas.

## Section 3. Composition

### 3.1 Substances

| Component             | CAS No.   | EEC No.   | REACH No.             | Conc w/w | CLP Classification (1272/2008/CE) |
|-----------------------|-----------|-----------|-----------------------|----------|-----------------------------------|
| Sodium metabisulphite | 7681-57-4 | 231-670-0 | 01-2119531326-45-XXXX | 95.5%    | Acute Tox. 4 (O), Eye Dam. 1      |

## Section 4. First Aid

### 4.1 Description of first aid measures

Eyes    Irrigate thoroughly with plenty of water for at least 10 minutes, holding the eye open. OBTAIN MEDICAL ATTENTION.

Skin    Wash off skin thoroughly with water. If discomfort persists OBTAIN MEDICAL ATTENTION.

Inhalation    If material has reacted with an acid to form, sulphur dioxide, seek immediate medical assistance.

Ingestion    Wash out the patients mouth thoroughly with water. If conscious induce vomiting. OBTAIN MEDICAL ATTENTION.

Personal protection for first aiders    Wear protective gloves / eye protection.

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

No further relevant information available.

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

No further relevant information available.

## Section 5. Fire Fighting

### 5.1 Extinguishing media

Extinguishing Media    Consider what other flammable materials are present and act accordingly.

Unsuitable Media    Nothing specified.

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

Hazards    May evolve toxic fumes if involved in a fire.

### 5.3 Advice for firefighters

Advice for firefighters    Evacuate area immediately. Keep up wind. Avoid exposure to toxic vapours and fumes. Fire-fighters should wear protective clothing and breathing apparatus.

## Section 6. Accidental Release Measures

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

Personal Protection    Evacuate area immediately. Use approved personal protective equipment. Avoid breathing dust. However if contact with acid is possible, use full protective clothing and breathing apparatus.

### 6.2 Environmental precautions

Environmental    Keep material out of sewers, storm drains, surface waters and soil. Notify the Environmental Agency and local Environmental Health Officer if major spillage occurs.

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

Major Spillage    Shovel/sweep up into container for removal Wash area down with copious amounts of water.

Minor Spillage    Wash area down with copious amounts of water.

## 6.4 Reference to other sections

See section 8.2 for information on protective equipment and section 13 for information on disposal.

## Section 7. Storage & Handling

### 7.1 Precautions for safe handling

Avoid contact with skin and eyes. Do not breath dust. Do not allow to contaminate clothing.

Ensure Local Exhaust Ventilation maintains dust concentrations to a minimum.

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

Well ventilated, cool, dry storage . Keep well separated from oxidising agents.

### 7.3 Specific end use(s)

See section 1.2.

## Section 8. Workplace Exposure & Personal Protection

### 8.1 Control parameters

| Component             | CAS No    | Concentration | Workplace Exposure Limits |                         |
|-----------------------|-----------|---------------|---------------------------|-------------------------|
|                       |           |               | Long Term (8hr TWA)       | Short Term 15min period |
| Sodium metabisulphite | 7681-57-4 | 95.5%         | -                         | -                       |

Exposure data source(s) No occupational exposure data currently available.

### 8.2 Exposure controls

|                        |  |
|------------------------|--|
| Respiratory Protection | If process creates significant amounts of dust use L.E.V. or wear suitable dust mask.                              |
| Hand Protection        | Wear gloves.   |
| Eye Protection         | Use tightly fitting chemical splash proof glasses or goggles.  |
| Skin Protection        | Avoid contact with skin. If skin contact or contamination of clothing is likely, protective clothing must be worn. |
| Special Hazards        | No special precautions required.   |

## Section 9. Physical & Chemical Properties

### 9.1 Information on basic physical and chemical properties

|                       |                                       |
|-----------------------|---------------------------------------|
| Appearance            | White free flowing granular material. |
| Odour                 | Organic sulphur odour.                |
| pH                    | 4 @ 20°C solution.                    |
| Boiling Point         | Not available                         |
| Melting Point         | 150°C                                 |
| Flash Point           | Not applicable                        |
| Upper Flammable Limit | Not applicable                        |
| Lower Flammable Limit | Not applicable                        |
| Auto Ignition         | Not applicable                        |
| Explosive Properties  | No.                                   |
| Oxidising Properties  | No.                                   |
| Vapour Pressure       | Not applicable                        |
| Relative Density      | 1.4800                                |
| Water Solubility      | Completely soluble in water.          |

### 9.2 Other information

No data available.

## Section 10. Stability & Reactivity

|             |                                    |  |
|-------------|------------------------------------|--|
| <b>10.1</b> | Reactivity                         | No data available.   |
| <b>10.2</b> | Chemical Stability                 | Stable under normal conditions   |
| <b>10.3</b> | Possibility of hazardous reactions | No data available.   |
| <b>10.4</b> | Conditions to Avoid                | Elevated temperatures and contact with oxidising agents.   |
| <b>10.5</b> | Incompatible Materials             | Strong oxidising agents. Contact with acids will liberate toxic and irritant fumes of sulphur dioxide. |
| <b>10.6</b> | Hazardous Decomposition Products   | Toxic fumes of sulphur dioxide.  |

## Section 11. Toxicological Information

### 11.1 Information on toxicological effects

|                      |  |
|----------------------|--|
| Eyes                 | Contact with the solid or dust will be irritating to the eyes.   |
| Skin                 | Contact with the solid or dust may be irritating to the skin.  |
| LD50 Skin            | Not available  |
| Ingestion            | Low order of acute toxicity.   |
| LD50 Oral            | 3200mg/kg Rat  |
| Inhalation           | Inhalation of dust will produce irritation of the eyes and respiratory tract. Major hazard is through inhalation of sulphur dioxide fumes which produce a hard uncontrollable cough. Excessive exposure can lead to unconsciousness and may prove fatal. |
| LD50 Inhalation      | Not available  |
| TCLo                 | Not available  |
| Carcinogenicity      | Not considered to be a carcinogen.   |
| Mutagenicity         | Not considered to be a mutagen.  |
| Reproductive Effects | None identified.   |

## Section 12. Ecological

|             |                                  |   |
|-------------|----------------------------------|---|
| <b>12.1</b> | Toxicity                         | The powerful reducing action may interfere with aquatic life. |
|             | LC50 Algal                       | Not available   |
|             | LC50 Crustacea                   | Not available   |
|             | LC50 Fish                        | Not available   |
| <b>12.2</b> | Persistence and degradability    | No data available.  |
| <b>12.3</b> | Bioaccumulative potential        | No data available.  |
| <b>12.4</b> | Mobility in soil                 | No data available.  |
| <b>12.5</b> | Results of PBT & vPvB assessment | Assessment not required.                                      |
| <b>12.6</b> | Other adverse effects            | None known at present.  |

## Section 13. Disposal Considerations

### 13.1 Waste treatment methods

|                        |  |
|------------------------|--|
| Disposal Methods       | Dispose of via an authorised waste disposal contractor to an approved waste disposal site, observing all local and national regulations. |
| Contaminated Packaging | Wash out containers with water. Use a licensed waste disposer.   |

## Section 14. Transport Information

|  |                                  |
|--|----------------------------------|
| <b>14.1 UN Number</b>                    | Non-restricted                   |
| <b>14.2 Proper Shipping Name</b>         | Non-restricted                   |
| <b>14.3 Transport classes</b>            |                                  |
| UN classification                        | None                             |
| Subsidiary hazard(s)                     | None                             |
| Transport category                       | None                             |
| ADR Hazard ID                            | Non-restricted                   |
| Tunnel Restriction Code                  | Non-restricted                   |
| <b>14.4 Packing Group</b>                | None                             |
| <b>14.5 Environment hazards</b>          | See section 12.                  |
| <b>14.6 Special precautions for user</b> | No special precautions required. |
| <b>14.7 Transport in bulk</b>            | Not transported in bulk.         |

## Section 15. Regulatory Information

### 15.1 Safety, health and environment regulations specific for substance/mixture.

#### Classification, Labeling & Packaging of Substances & Mixtures Regulations (1272/2008/CE)

Classification Acute toxicity, category 4 (oral); Serious eye damage/irritation, category 1

Signal word Danger

Hazard Pictograms



Hazard Statements H302, H318  
Harmful if swallowed. Causes serious eye damage.

Precautionary Statements P280, P264, P305+P351+P338, P301+P312, P330  
Wear protective gloves / protective clothing / eye protection. Wash thoroughly after handling. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do and continue rinsing. IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth.

Supplemental Hazard Information (EU) EUH031  
Contact with acids liberates toxic gas.

### 15.2 Chemical safety assessment

Assessment not required.

## Section 16. Other Information

The information contained in this document only covers the hazards presented by this material, it DOES NOT constitute a workplace risk assessment. See sections 11 for toxicological information and section 12 for ecological information.

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