

Revision: 2.1

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## Section 1. Identification

### 1.1 Product Identifier 0543

Product Name POTASSIUM METABISULPHITE pure

CAS Number 16731-55-8

REACH Registration No A registration number is not available as the substance or its uses are exempt, the annual tonnage does not require a registration or the registration is envisaged for a later date.

Molecular Formula  $K_2S_2O_5 = 222.31$

### 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

Serious eye damage/irritation, category 1

H318: Causes serious eye damage.

### 2.2 Label elements

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

Signal word Danger

Hazard Pictograms



Hazard Statements Causes serious eye damage.

Precautionary Statements Wash thoroughly after handling. Wear protective gloves / protective clothing / eye protection. Do not breathe fumes. Use only outdoors or in a well-ventilated area. If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention.

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) |
|--------------------------|------------|-----------|-----------|----------|-----------------------------------|
| Potassium metabisulphite | 16731-55-8 | 240-795-3 |           | >98%     | 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 URGENTLY.   |
| Skin                                 | Thoroughly wash off skin with soap and water. Remove contaminated clothing immediately and wash before re-use. OBTAIN MEDICAL ATTENTION.   |
| Inhalation                           | Remove from exposure. Keep warm and at rest. If there is difficulty in breathing give oxygen if available. If breathing stops or shows signs of failing, apply artificial resuscitation. If unconscious place in the recovery position. OBTAIN MEDICAL ATTENTION URGENTLY.                       |
| Ingestion                            | If conscious give plenty of water to drink. Keep warm and at rest. If there is difficulty in breathing give oxygen if available. If breathing stops or shows signs of failing, apply artificial resuscitation. If unconscious place in the recovery position. OBTAIN MEDICAL ATTENTION URGENTLY. |
| 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 | Water spray, foam, dry powder or carbon dioxide. |
| Unsuitable Media    | Nothing specified.                               |

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

|         |  |
|---------|--|
| Hazards | Emits toxic fumes under fire conditions. |
|---------|--|

### 5.3 Advice for firefighters

|                         |   |
|-------------------------|---|
| Advice for firefighters | Consider all other materials in the vicinity. |
|-------------------------|---|

## Section 6. Accidental Release Measures

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

|                     |   |
|---------------------|---|
| Personal Protection | Avoid breathing dust-wear respiratory protective equipment. Refer to personal protection details. |
|---------------------|---|

### 6.2 Environmental precautions

|               |   |
|---------------|---|
| Environmental | In case of major spillage contact a chemically trained supervisor or manager who will decide whether to inform the Environmental Agency and local Environmental Health Officer. |
|---------------|---|

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

|                |   |
|----------------|---|
| Major Spillage | Sweep up, place in a bag and hold for waste disposal. Ventilate area and wash spill site after material pickup is complete. |
| Minor Spillage | Sweep up, place in a bag and hold for waste disposal. Ventilate area and wash spill site after material pickup is complete. |

#### 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 vapours. Do not allow to contaminate clothing.

Ensure Local Exhaust Ventilation maintains vapour concentrations below the recommended limits.

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

Well ventilated, cool, dry storage .

### 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 |
| Potassium metabisulphite | 16731-55-8 | >98%          | -                         | -                       |

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

### 8.2 Exposure controls

Respiratory Protection Wear NIOSH/MSHA-approved respirator.

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 crystalline solid. |
| Odour                 | No specific odour.       |
| pH                    | 3.0-40.5 @ 22.2 g/l      |
| Boiling Point         | Not available            |
| Melting Point         | Not applicable           |
| Flash Point           | Not applicable           |
| Upper Flammable Limit | Not applicable           |
| Lower Flammable Limit | Not applicable           |
| Auto Ignition         | Not applicable           |
| Explosive Properties  | No.                      |
| Oxidising Properties  | Not specified.           |
| Vapour Pressure       | Not applicable           |
| Relative Density      | Not available            |
| Water Solubility      | 22.2g/l @20°C            |

### 9.2 Other information

No data available.

## Section 10. Stability & Reactivity

|      |                                    |                                 |
|------|------------------------------------|---------------------------------|
| 10.1 | Reactivity                         | No data available.              |
| 10.2 | Chemical Stability                 | Not specified.                  |
| 10.3 | Possibility of hazardous reactions | No data available.              |
| 10.4 | Conditions to Avoid                | No specific conditions.         |
| 10.5 | Incompatible Materials             | Strong oxidising agents. Acids. |
| 10.6 | Hazardous Decomposition Products   | Sulphur oxides.                 |

## Section 11. Toxicological Information

### 11.1 Information on toxicological effects

|                      |  |
|----------------------|--|
| Eyes                 | Causes serious eye damage.   |
| Skin                 | Contact with the solid or solution may be irritating to the skin.                                  |
| LD50 Skin            | Not available  |
| Ingestion            | May be harmful by ingestion.   |
| LD50 Oral            | Not available  |
| Inhalation           | The powder may seriously damage the membranes lining the nose, throat and upper respiratory tract. |
| LD50 Inhalation      | Not available  |
| TCLo                 | Not available  |
| Carcinogenicity      | Not considered to be a carcinogen.   |
| Mutagenicity         | Not considered to be a mutagen.  |
| Reproductive Effects | Experimental teratogen and reproductive effects.   |

## Section 12. Ecological

|      |                                  |                          |
|------|----------------------------------|--------------------------|
| 12.1 | Toxicity                         | Not specified.           |
|      | LC50 Algal                       | Not available            |
|      | LC50 Crustacea                   | Not available            |
|      | LC50 Fish                        | Not available            |
| 12.2 | Persistence and degradability    | No data available.       |
| 12.3 | Bioaccumulative potential        | No data available.       |
| 12.4 | Mobility in soil                 | No data available.       |
| 12.5 | Results of PBT & vPvB assessment | Assessment not required. |
| 12.6 | Other adverse effects            | None known at present.   |

## Section 13. Disposal Considerations

### 13.1 Waste treatment methods

|                        |   |
|------------------------|---|
| Disposal Methods       | Dissolve or mix the material with a combustible solvent. Burn in a chemical incinerator equipped with afterburners and scrubbers. |
| Contaminated Packaging | Dissolve or mix the material with a combustible solvent. Burn in a chemical incinerator equipped with afterburners and scrubbers. |

## Section 14. Transport Information

|                                   |                                  |
|-----------------------------------|----------------------------------|
| 14.1 UN Number                    | Non-restricted                   |
| 14.2 Proper Shipping Name         | Non-restricted                   |
| 14.3 Transport classes            |                                  |
| UN classification                 | None                             |
| Subsidiary hazard(s)              | None                             |
| Transport category                | None                             |
| ADR Hazard ID                     | Non-restricted                   |
| Tunnel Restriction Code           | Non-restricted                   |
| 14.4 Packing Group                | None                             |
| 14.5 Environment hazards          | See section 12.                  |
| 14.6 Special precautions for user | No special precautions required. |
| 14.7 Transport in bulk            | 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 Serious eye damage/irritation, category 1

Signal word Danger

Hazard Pictograms



Hazard Statements H318  
Causes serious eye damage.

Precautionary Statements P264, P280, P260, P271, P332+P313, P337+P313  
Wash thoroughly after handling. Wear protective gloves / protective clothing / eye protection. Do not breathe fumes. Use only outdoors or in a well-ventilated area. If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention.

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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