

Revision: 1.2

Revision date:

24 February 2026

Date printed:

28 February 2026

## Section 1. Identification

### 1.1 Product Identifier 1813

Product Name SULPHURIC ACID 0.1M (N/5)  
CAS Number Mixture  
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.

### 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



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

## Section 2. Hazards Identification

### 2.1 Classification of the substance or mixture

Classification according to regulation (EC) 1272/2008 as amended by GB-CLP Regulation, UK SI 2019/720 & UK SI 2020/1567  
Not classified as hazardous.

### 2.2 Label elements

Labelling according to regulation (EC) 1272/2008 as amended by GB-CLP Regulation, UK SI 2019/720 & UK SI 2020/1567  
Not classified as hazardous.

## Section 3. Composition

### 3.2 Mixtures

| Component      | CAS No.   | EC No.    | REACH No.             | Conc w/w | CLP Classification (1272/2008/CE) |
|----------------|-----------|-----------|-----------------------|----------|-----------------------------------|
| Sulphuric acid | 7664-93-9 | 231-639-5 | 01-2119458838-20-XXXX | <1%      | Skin Corr. 1A                     |

## 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. Remove contaminated clothing immediately and wash before re-use.             |
| Inhalation                           | Remove from exposure.   |
| Ingestion                            | Wash out the patients mouth thoroughly with water.  |
| 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 | Presents no specific fire danger. |
|---------|-----------------------------------|

#### 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 | Use approved personal protective equipment. Evacuate area immediately. Do not allow general use of area until it is safe to do so. |
|---------------------|--|

#### 6.2 Environmental precautions

|               |  |
|---------------|--|
| Environmental | Keep non-neutralised 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 | Contain and absorb on inert material. Transfer absorbent to salvage 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 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) |   |
| Sulphuric acid | 7664-93-9 | <1%           | -                         | 0.05 mg/m-3              | - |

Exposure data source(s) IOELV: Indicative Occupational Exposure Limit Value.

### 8.2 Exposure controls

|                        |  |
|------------------------|--|
| Respiratory Protection | Use L.E.V. or natural ventilation to maintain vapour concentrations below exposure limits. If not, use a well maintained chemical cartridge respirator, or use self contained breathing apparatus. |
| Hand Protection        | Wear gloves.   |
| Eye Protection         | Use tightly fitting chemical splash proof glasses or goggles.  |
| Skin Protection        | 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            | Clear colourless liquid.      |
| Odour                 | Odourless.                    |
| pH                    | 1 @ 20°C                      |
| Boiling Point         | Aqueous solution              |
| 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  | No.                           |
| Vapour Pressure       | Not applicable                |
| Relative Density      | 1.0049                        |
| Water Solubility      | Completely miscible in water. |

### 9.2 Other information

No data available.

## Section 10. Stability & Reactivity

|   |                                |
|---|--------------------------------|
| 10.1 Reactivity                         | No data available.             |
| 10.2 Chemical Stability                 | Stable under normal conditions |
| 10.3 Possibility of hazardous reactions | No data available.             |
| 10.4 Conditions to Avoid                | No specific conditions.        |
| 10.5 Incompatible materials             | Alkalis.                       |
| 10.6 Hazardous Decomposition Products   | None unusual.                  |

## Section 11. Toxicological Information

### 11.1 Information on toxicological effects

|           |   |
|-----------|---|
| Eyes      | The liquid may be irritating to the eyes.       |
| Skin      | Presents no significant hazard by skin contact. |
| LD50 Skin | Not available                                   |

|                      |  |
|----------------------|--|
| Ingestion            | Presents no significant hazard by ingestion.         |
| LD50 Oral            | Not available  |
| Inhalation           | Presents no significant health hazard by inhalation. |
| 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 Toxicity</b>                             | No specific environmental hazard. |
| LC50 Algal                                       | Not available                     |
| LC50 Crustacea                                   | Not available                     |
| LC50 Fish  | Not available                     |
| <b>12.2 Persistence and degradability</b>        | No data available.                |
| <b>12.3 Bioaccumulative potential</b>            | No data available.                |
| <b>12.4 Mobility in soil</b>                     | No data available.                |
| <b>12.5 Results of PBT &amp; vPvB assessment</b> | Assessment not required.          |
| <b>12.6 Other adverse effects</b>                | None known at present.            |

## Section 13. Disposal Considerations

### 13.1 Waste treatment methods

|                        |   |
|------------------------|---|
| Disposal Methods       | Dilute in a large excess of water and carefully neutralise with soda ash, then wash to drain with copious amounts of water. |
| 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.

Not classified as hazardous under Classification, Labelling & Packaging of Substances & Mixtures Regulations (1272/2008/CE).

### 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.

Revision number: 1.2 (Supercedes revision 1.1)

Revision date: 24 February 2026

Reviewed by chemist: 24 February 2026

Printed date: 28 February 2026

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