

## Section 1. Identification

### 1.1 Product Identifier 0639

Product Name BUFFER REAGENT (for METROHM MANGANESE ANALYSER)

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(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

Not classified as hazardous.

### 2.2 Label elements

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

Not classified as hazardous.

## Section 3. Composition

### 3.2 Mixtures

No hazardous components.

## Section 4. First Aid

### 4.1 Description of first aid measures

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

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

#### 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

#### 6.2 Environmental precautions

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

#### 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

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

#### 7.3 Specific end use(s)

See section 1.2.

### Section 8. Workplace Exposure & Personal Protection

#### 8.1 Control parameters

Exposure data source(s) No hazardous components.

#### 8.2 Exposure controls

Special Hazards No special precautions required.

### Section 9. Physical & Chemical Properties

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

Odour Not available  
pH Not applicable

Boiling Point	~100 °C
Melting Point	~0 °C
Flash Point	Not applicable
Upper Flammable Limit	Not applicable
Lower Flammable Limit	Not applicable
Auto Ignition	Not applicable
Explosive Properties	Not applicable
Oxidising Properties	Not applicable
Vapour Pressure	Not applicable
Relative Density	1.000
Water Solubility	Completely soluble in water.

## 9.2 Other information

No data available.

## Section 10. Stability & Reactivity

- |      |                                    |                                 |
|------|------------------------------------|---------------------------------|
| 10.1 | Reactivity                         | No data available.              |
| 10.2 | Chemical Stability                 | No data available.              |
| 10.3 | Possibility of hazardous reactions | No data available.              |
| 10.4 | Conditions to Avoid                | No specific conditions.         |
| 10.5 | Incompatible Materials             | No specific materials to avoid. |

## Section 11. Toxicological Information

### 11.1 Information on toxicological effects

LD50 Skin	Not available
LD50 Oral	Not available
LD50 Inhalation	Not available
TCLo	Not available
Mutagenicity	No data available.

## Section 12. Ecological

- |      |                                  |                          |
|------|----------------------------------|--------------------------|
| 12.1 | Toxicity                         | No data available.       |
|      | 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

## 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.

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