

# Trafalgar Chemicals - Safety Data Sheet

0119-MA

(in accordance with regulation (EU) 2015/830 and regulation (EC) 1272/2008)

Revision: 1.1

Revision date:

08 February 2021

Date printed:

26 June 2025

## Section 1. Identification

### 1.1 Product Identifier 0119-MA

Product Name pH 4.0 BUFFER (NIST Traceable) 10L.

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 Trafalgar Chemicals



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190 Waterside Road  
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Phone 0116 2879460

Email [info@trafalgarscientific.co.uk](mailto:info@trafalgarscientific.co.uk)

Website [www.trafalgarscientific.co.uk](http://www.trafalgarscientific.co.uk)

### 1.4 Emergency Telephone (08:00-17:00) +44(0) 116 2879460 (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

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

|                                      |                                                    |
|--------------------------------------|----------------------------------------------------|
| Skin                                 | Wash off skin thoroughly with water.               |
| 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 | Presents no major hazards. |
|---------------------|----------------------------|

#### 6.2 Environmental precautions

|               |                                         |
|---------------|-----------------------------------------|
| Environmental | Presents no major environmental hazard. |
|---------------|-----------------------------------------|

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

|                |                                               |
|----------------|-----------------------------------------------|
| Major Spillage | 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

No specific precautions.

#### 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

Exposure data source(s)      No hazardous components.

## 8.2 Exposure controls

|                        |                                                                                           |
|------------------------|-------------------------------------------------------------------------------------------|
| Respiratory Protection | Presents no significant inhalation health hazard.                                         |
| Hand Protection        | Use nitrile gloves or PVC gauntlets.                                                      |
| 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                 | No specific odour.           |
| pH                    | 4 @ 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      | 1.0000                       |
| 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                 | 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             | No specific materials to avoid. |
| 10.6 Hazardous Decomposition Products   | None.                           |

## Section 11. Toxicological Information

### 11.1 Information on toxicological effects

|                 |                                                      |
|-----------------|------------------------------------------------------|
| Eyes            | The liquid may be mildly irritating to the eye.      |
| 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

|      |                                  |                                   |
|------|----------------------------------|-----------------------------------|
| 12.1 | Toxicity                         | No specific environmental hazard. |
|      | 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       | Flush to drain.                |
| Contaminated Packaging | Use a licensed waste disposer. |

## 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.

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: 1.1 (Supersedes revision 1.0)

Revision date: 08 February 2021

Reviewed by chemist: 08 February 2021

Printed date: 26 June 2025

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