Section 1. Identification

1.1 Product Identifier 00156681

  Product Name FLAME PHOTOMETER DILUENT CONCENTRATE
  CAS Number Mixture
  REACH Registration No Not applicable

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 Sherwood Scientific Ltd

  1 The Paddocks
  Cherry Hinton Road
  Cambridge
  CB1 8DH
  UNITED KINGDOM

  Phone +44(0)1223 243444
  Fax +44(0)1223 243300
  Email hands@sherwood-scientific.com

1.4 Emergency Telephone (08:00-16:30) 01223 243444
(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 patient’s mouth thoroughly with water.

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

Workplace Exposure
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 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
Not applicable

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

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Eyes</td>
<td>The liquid may be mildly irritating to the eye.</td>
</tr>
<tr>
<td>Skin</td>
<td>Presents no significant hazard by skin contact.</td>
</tr>
<tr>
<td>LD50 Skin</td>
<td>Not available</td>
</tr>
<tr>
<td>Ingestion</td>
<td>Presents no significant hazard by ingestion.</td>
</tr>
<tr>
<td>LD50 Oral</td>
<td>Not available</td>
</tr>
<tr>
<td>Inhalation</td>
<td>Presents no significant health hazard by inhalation.</td>
</tr>
<tr>
<td>LD50 Inhalation</td>
<td>Not available</td>
</tr>
<tr>
<td>TCLo</td>
<td>Not available</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>Not considered to be a carcinogen.</td>
</tr>
<tr>
<td>Mutagenicity</td>
<td>Not considered to be a mutagen.</td>
</tr>
<tr>
<td>Reproductive Effects</td>
<td>None identified.</td>
</tr>
</tbody>
</table>

Section 12. Ecological

12.1 Toxicity No specific environmental hazard.

<p>| | |</p>
<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>LC50 Algal</td>
<td>Not available</td>
</tr>
<tr>
<td>LC50 Crustacea</td>
<td>Not available</td>
</tr>
<tr>
<td>LC50 Fish</td>
<td>Not available</td>
</tr>
</tbody>
</table>

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

<p>| | |</p>
<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>Disposal Methods</td>
<td>Flush to drain.</td>
</tr>
<tr>
<td>Contaminated Packaging</td>
<td>Use a licensed waste disposer.</td>
</tr>
</tbody>
</table>

Section 14. Transport Information

14.1 UN Number Non-restricted

14.2 Proper Shipping Name Non-restricted

14.3 Transport classes

<p>| | |</p>
<table>
<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>UN classification</td>
<td>None</td>
</tr>
<tr>
<td>Subsidiary Risk</td>
<td>None</td>
</tr>
<tr>
<td>Transport category</td>
<td>None</td>
</tr>
<tr>
<td>ADR Hazard ID</td>
<td>Non-restricted</td>
</tr>
<tr>
<td>Tunnel Restriction Code</td>
<td>Non-restricted</td>
</tr>
</tbody>
</table>

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.