

# Vickers Laboratories Ltd - Safety Data Sheet

**0657**

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

Revision: 3.0

(Replaces revision 2.0 of 06 November 2023)

Revision date:

Date printed:

06 February 2025

27 December 2025

## Section 1. Identification

### 1.1 Product Identifier 0657

Product Name OPA WORKING REAGENT

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



Grangefield Industrial Estate  
Richardshaw Road  
Pudsey  
West Yorkshire  
LS28 6QW  
UNITED KINGDOM

Phone 44 113 2362811  
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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) 44 113 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 &amp; UK SI 2020/1567

Flammable liquid, category 3

H226: Flammable liquid and vapour.

Reproductive toxicity, category 1B

H360: May damage fertility or the unborn child.

### 2.2 Label elements

Labelling according to regulation (EC) 1272/2008 as amended by GB-CLP Regulation, UK SI 2019/720 &amp; UK SI 2020/1567

Signal word Danger

Hazard Pictograms



Hazard Statements May damage fertility or the unborn child. Flammable liquid and vapour.

Precautionary Statements    Wear protective gloves / protective clothing / eye protection / face protection. IF exposed or concerned: Get medical advice/attention. Dispose of contents / container to an approved waste disposal plant

## Section 3. Composition

### 3.2 Mixtures

Component	CAS No.	EC No.	REACH No.	Conc w/w	CLP Classification (1272/2008/CE)
Ethanol	64-17-5	200-578-6	01-2119457610-43-XXXX	~9.5%	Flam. Liq. 2, Eye Irrit. 2
Sodium tetraborate, decahydrate	1303-96-4	215-540-4	01-2119490790-32-XXXX	<2.2%	Eye Irrit. 2, Repr. 1B
Methanol	67-56-1	200-659-6	01-2119433307-44-XXXX	~0.5%	Flam. Liq. 2, Acute Tox. 3 (O), Acute Tox. 3 (D), Acute Tox. 3 (I), STOT SE 1

## 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

Component	CAS No	Concentration	Workplace Exposure Limits			
			Long Term (8hr TWA)		Short Term 15min period	
Ethanol	64-17-5	~9.5%	1000.0 ppm	1920.0 mg/m-3	-	-
Sodium tetraborate, decahydrate	1303-96-4	<2.2%	-	-	5.0 ppm	-
Methanol	67-56-1	~0.5%	200.0 ppm	266.0 mg/m-3	250.0 ppm	333.0 mg/m-3

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	92.5 °C
Melting Point	-3 °C
Flash Point	49 °C (Closed cup)
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	1.004
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.
Reproductive Effects	Evidence of reproductive effects.

## Section 12. Ecological

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

## Section 13. Disposal Considerations

### 13.1 Waste treatment methods

## Section 14. Transport Information

<b>14.1</b>	UN Number	Non-restricted
<b>14.2</b>	Proper Shipping Name	Non-restricted
<b>14.3</b>	Transport classes	
	UN classification	None
	Subsidiary hazard(s)	None
	Transport category	None
	ADR Hazard ID	Non-restricted
	Tunnel Restriction Code	Non-restricted
<b>14.4</b>	Packing Group	None
<b>14.5</b>	Environment hazards	See section 12.
<b>14.6</b>	Special precautions for user	No special precautions required.
<b>14.7</b>	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) as amended by GB-CLP Regulation, UK SI 2019/720 & UK SI 2020/1567**

Classification Flammable liquid, category 3; Reproductive toxicity, category 1B

Signal word Danger

Hazard Pictograms



Hazard Statements H360, H226  
May damage fertility or the unborn child. Flammable liquid and vapour.

Precautionary Statements P280, P308+P313, P501  
Wear protective gloves / protective clothing / eye protection / face protection. IF exposed or concerned: Get medical advice/attention. Dispose of contents / container to an approved waste disposal plant

## 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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