

Revision: 1.1

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## Section 1. Identification

### 1.1 Product Identifier 1097

|                       |   |
|-----------------------|---|
| Product Name          | ETHYL BENZOATE pure   |
| CAS Number            | 93-89-0   |
| 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. |
| Molecular Formula     | $C_9H_{10}COOC_2H_5 = 150.18$   |

### 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  
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West Yorkshire  
LS28 6QW  
UNITED KINGDOM

Phone 44 0113 2362811  
Fax +44(0)113 2362703  
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(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

### 3.1 Substances

Not classified as hazardous.

## 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                                 | Thoroughly wash off skin with soap and water.  |
| Inhalation                           | Remove from exposure.  |
| Ingestion                            | Wash out the patients mouth thoroughly with water. In severe cases, OBTAIN MEDICAL ATTENTION.  |
| 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 | Alcohol resistant foam, dry powder, or carbon dioxide. |
| Unsuitable Media    | Nothing specified.                                     |

#### 5.2 Special hazards arising from the substance or mixture

|         |   |
|---------|---|
| Hazards | May evolve toxic fumes if involved in a fire. |
|---------|---|

#### 5.3 Advice for firefighters

|                         |  |
|-------------------------|--|
| Advice for firefighters | Evacuate area immediately. Keep up wind. Avoid exposure to toxic vapours and fumes. Fire-fighters should wear protective clothing and breathing apparatus. |
|-------------------------|--|

## Section 6. Accidental Release Measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

|                     |   |
|---------------------|---|
| Personal Protection | Use approved personal protective equipment. |
|---------------------|---|

#### 6.2 Environmental precautions

|              |                 |
|--------------|-----------------|
| Enviromental | Not determined. |
|--------------|-----------------|

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

|                |   |
|----------------|---|
| Major Spillage | Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal. Wash area down with detergent and copious amounts of water. |
| Minor Spillage | Wash area down with detergent and 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

The product should be handled with the care usual when dealing with chemicals.

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

Well ventilated, cool, dry storage . Protect from direct sun and store away from sources of ignition. Keep containers closed when not in use.

#### 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 |
| Ethyl benzoate | 93-89-0 | <99%          | -                         | -                       |

Exposure data source(s) No occupational exposure data currently available.

## 8.2 Exposure controls

|                        |  |
|------------------------|--|
| Respiratory Protection | Presents no significant inhalation health hazard.  |
| Hand Protection        | Use solvent resistant gloves.  |
| Eye Protection         | Use tightly fitting chemical splash proof glasses or goggles.  |
| Skin Protection        | Avoid contact with skin. 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                 | Aromatic.                |
| pH                    | Not applicable           |
| Boiling Point         | 213°C                    |
| Melting Point         | 35°C                     |
| Flash Point           | 85°C (Open cup)          |
| Upper Flammable Limit | Not applicable           |
| Lower Flammable Limit | Not applicable           |
| Auto Ignition         | 370°C                    |
| Explosive Properties  | No.                      |
| Oxidising Properties  | No.                      |
| Vapour Pressure       | 1mmHg @ 44°C             |
| Relative Density      | 1.5057                   |
| Water Solubility      | Insoluble 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             | Strong oxidising agents.                           |
| 10.6 Hazardous Decomposition Products   | May produce hazardous fumes if involved in a fire. |

# Section 11. Toxicological Information

## 11.1 Information on toxicological effects

|           |  |
|-----------|--|
| Eyes      | High concentrations of vapour may be irritating to the eyes. |
| Skin      | Presents no significant hazard by skin contact.              |
| LD50 Skin | Not available  |
| Ingestion | May be harmful by ingestion.                                 |
| LD50 Oral | 2100mg/kg Rat  |

|                      |                                    |
|----------------------|------------------------------------|
| Inhalation           | No data available.                 |
| 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</b> Toxicity                         | No environmental hazard is anticipated provided that the material is handled and disposed of with due care and attention. |
| LC50 Algal                                   | Not available   |
| LC50 Crustacea                               | 16mg/l Daphnia magna (24 hours)   |
| LC50 Fish                                    | 6.7mg/l Fathead minnow ( <i>Pimephales promelas</i> ) (96 hours)  |
| <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

|                        |  |
|------------------------|--|
| Disposal Methods       | Dispose of via an authorised waste disposal contractor to an approved waste disposal site, observing all local and national regulations. |
| Contaminated Packaging | Wash out containers with water.  |

## 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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