

## Section 1. Identification

### 1.1 Product Identifier 1854

|                       |   |
|-----------------------|---|
| Product Name          | PHENOL RED  |
| CAS Number            | 143-74-8  |
| 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     | $C_{15}H_{14}O_5S = 354.37$   |

### 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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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

Skin corrosion/irritation, category 2  
Serious eye damage/irritation, category 2  
Spec target organ tox - single, category 3

H315: Causes skin irritation.  
H319: Causes serious eye irritation.  
H335: May cause respiratory irritation.

### 2.2 Label elements

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

Signal word Warning

Hazard Pictograms



Hazard Statements Causes serious eye irritation. Causes skin irritation. May cause respiratory irritation.

Precautionary Statements Wear protective gloves / protective clothing / eye protection. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do and continue rinsing. Wash thoroughly after handling.

## Section 3. Composition

### 3.1 Substances

| Component  | CAS No.  | EEC No.   | REACH No. | Conc w/w | CLP Classification (1272/2008/CE)          |
|------------|----------|-----------|-----------|----------|--|
| Phenol red | 143-74-8 | 205-609-7 |           | >98%     | Skin Irrit. 2, Eye Irrit. 2, STOT SE 3 (I) |

## 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. Remove contaminated clothing immediately and wash before re-use.                                    |
| Inhalation                           | Remove from exposure.  |
| Ingestion                            | Wash out the patient's mouth thoroughly with water. In severe cases or if exposure has been great, 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 | Water spray, alcohol resistant foam, dry powder or carbon dioxide. |
| Unsuitable Media    | Nothing specified.   |

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

|         |   |
|---------|---|
| Hazards | Combustible and may emit acrid 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 | Avoid breathing dust. |
|---------------------|-----------------------|

### 6.2 Environmental precautions

|               |  |
|---------------|--|
| Environmental | Notify the Environmental Agency and local Environmental Health Officer if major spillage occurs. |
|---------------|--|

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

|                |  |
|----------------|--|
| Major Spillage | Vacuum up into container for removal. Carefully remove material from vacuum cleaner and transfer to sealable container for disposal. Carry out this operation under fume extraction. Wash area down with copious amounts of water. |
| Minor Spillage | Vacuum up into container for removal. Carefully remove material from vacuum cleaner and transfer to sealable container for disposal. Carry out this operation under fume extraction. 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

Avoid contact with skin and eyes. Do not breath dust. Do not allow to contaminate clothing.

Ensure Local Exhaust Ventilation maintains dust concentrations to a minimum.

#### 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

| Component  | CAS No   | Concentration | Workplace Exposure Limits |   |                         |   |
|------------|----------|---------------|---------------------------|---|-------------------------|---|
|            |          |               | Long Term (8hr TWA)       |   | Short Term 15min period |   |
| Phenol red | 143-74-8 | >98%          | -                         | - | -                       | - |

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

#### 8.2 Exposure controls

|                        |  |
|------------------------|--|
| Respiratory Protection | If process creates significant amounts of dust use L.E.V. or wear suitable dust mask.                              |
| Hand Protection        | Wear 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            | Red crystalline powder.     |
| Odour                 | No specific odour.          |
| pH                    | Not applicable              |
| Boiling Point         | Not available               |
| 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      | Not available               |
| Water Solubility      | Sparingly soluble in water. |

#### 9.2 Other information

No data available.

## Section 10. Stability & Reactivity

|             |                                    |  |
|-------------|------------------------------------|--|
| <b>10.1</b> | Reactivity                         | No data available.                                 |
| <b>10.2</b> | Chemical Stability                 | Stable under normal conditions                     |
| <b>10.3</b> | Possibility of hazardous reactions | No data available.                                 |
| <b>10.4</b> | Conditions to Avoid                | No specific conditions.                            |
| <b>10.5</b> | Incompatible Materials             | Strong oxidising agents.                           |
| <b>10.6</b> | Hazardous Decomposition Products   | May produce hazardous fumes if involved in a fire. |

## Section 11. Toxicological Information

### 11.1 Information on toxicological effects

|                      |  |
|----------------------|--|
| Eyes                 | Contact with the solid or dust will cause eye irritation, and may cause burns if contact is prolonged. |
| Skin                 | Stains skin. Causes skin irritation.   |
| LD50 Skin            | Not available  |
| Ingestion            | Low order of acute toxicity.   |
| LD50 Oral            | Not available  |
| Inhalation           | May cause respiratory irritation.  |
| 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                         | Toxicity to fish : LC50 (various species) 0.0305-0.383 mg/l. |
|             | 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

|                        |  |
|------------------------|--|
| Disposal Methods       | Do not dispose of as domestic waste.                           |
| Contaminated Packaging | Wash out containers with water. Use a licensed waste disposer. |

## 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.

#### Classification, Labeling & Packaging of Substances & Mixtures Regulations (1272/2008/CE)

Classification Skin corrosion/irritation, category 2; Serious eye damage/irritation, category 2; Spec target organ tox - single, category 3

Signal word Warning

Hazard Pictograms



Hazard Statements H319, H315, H335  
Causes serious eye irritation. Causes skin irritation. May cause respiratory irritation.

Precautionary Statements P280, P305+P351+P338, P264  
Wear protective gloves / protective clothing / eye protection. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do and continue rinsing. Wash thoroughly after handling.

### 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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