

**Section 1. Identification****1.1 Product Identifier** 1935

Product Name DECON 90  
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** Vickers Laboratories Ltd

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(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 (Skin Irrit. 2). Serious eye damage/irritation, category 2 (Eye Irrit. 2).

**2.2 Label elements****Labelling according to regulation 1272/2008/EC**

Signal word Warning

Hazard Pictograms



Hazard Statements Causes skin irritation. Causes serious eye irritation.

Precautionary Statements Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do and continue rinsing. IF ON SKIN: Wash with soap and water. If eye irritation persists: Get medical advice/attention.

## Section 3. Composition

### 3.2 Mixtures

| Component           | CAS No.   | EEC No.   | Conc w/w | CLP Classification (1272/2008/CE) |
|---------------------|-----------|-----------|----------|-----------------------------------|
| Potassium hydroxide | 1310-58-3 | 215-181-3 | 3.0 %    | Skin Corr. 1A, Acute Tox. 4 (O)   |

## 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. OBTAIN MEDICAL ATTENTION.   |
| Skin       | Wash off skin thoroughly with water. Remove contaminated clothing immediately and wash before re-use. If irritation persists or there is any sign of skin damage, seek IMMEDIATE MEDICAL ASSISTANCE |
| Inhalation | Remove from exposure.   |
| Ingestion  | If conscious give plenty of water to drink. Do not induce vomiting. OBTAIN MEDICAL ATTENTION.   |

### 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 | Use approved personal protective equipment. Evacuate area immediately. Do not allow other people to enter area. Do not allow general use of area until it is safe to do so. |
|---------------------|---|

### 6.2 Environmental precautions

|               |  |
|---------------|--|
| Environmental | Keep non-neutralised material out of sewers, storm drains, surface waters and soil. 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 | 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

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

Ensure Local Exhaust Ventilation maintains vapour concentrations below the recommended limits.

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

Store in a dry place protected against moisture and water.

### 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 |            |
| Potassium hydroxide | 1310-58-3 | 3%            | -                         | -                       | 2.0 mg/m-3 |

### 8.2 Exposure controls

|                        |  |
|------------------------|--|
| Respiratory Protection | In cases where a spray or mist may be formed, use L.E.V. or natural ventilation to maintain vapour concentrations below exposure limits. If not, use a well maintained chemical cartridge respirator, or use self contained breathing apparatus. |
| 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            | Off-white emulsion.          |
| Odour                 | Mild odour.                  |
| pH                    | 14 @ 20°C                    |
| Boiling Point         | 100.5°C                      |
| Melting Point         | -3.8°C                       |
| 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      | 1.0830                       |
| 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             | Acids. Reacts with aluminium and zinc to produce extremely flammable hydrogen gas. |
| 10.6 Hazardous Decomposition Products   | None unusual.  |

## Section 11. Toxicological Information

### 11.1 Information on toxicological effects

|                      |   |
|----------------------|---|
| Eyes                 | The liquid will be irritating to the eyes.  |
| Skin                 | Contact with the liquid will be irritating to the skin.                                       |
| LD50 Skin            | Not available   |
| Ingestion            | Ingestion will cause severe mouth burns, and if swallowed extensive damage to the oesophagus. |
| 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                         | Readily bio-degraded in the environment. |
| 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 | Wash out containers with water. |

## 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 Risk                   | 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.

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

Classification Skin corrosion/irritation, category 2; Serious eye damage/irritation, category 2

Signal word Warning

Hazard Pictograms



Hazard Statements H315, H319  
Causes skin irritation. Causes serious eye irritation.

Precautionary Statements P264, P280, P305+P351+P338, P302+P352, P337+P313  
Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do and continue rinsing. IF ON SKIN: Wash with soap and water. If eye irritation persists: Get medical advice/attention.

## 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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