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## Section 1. Identification

### 1.1 Product Identifier 0282

Product Name POLYETHYLENEGLYCOL 400 U.S.P.  
CAS Number 25322-68-3  
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



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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

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<br>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 patients mouth thoroughly with water. If conscious give plenty of water to drink. Keep warm and at rest. Obtain medical assistance to determine whether to induce vomiting or not. |
| 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, carbon dioxide or vapourising liquid. |
| Unsuitable Media    | Do not use water jet.   |

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

|         |   |
|---------|---|
| Hazards | Combustible, but presents no special fire fighting hazards. |
|---------|---|

### 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 | Contain and absorb on inert material. Transfer absorbent to container for removal. 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 . Protect against ingress of moisture.

### 7.3 Specific end use(s)

See section 1.2.

## Section 8. Workplace Exposure & Personal Protection

## 8.1 Control parameters

Exposure data source(s) No hazardous components.

## 8.2 Exposure controls

Respiratory Protection Presents no significant inhalation health hazard.  
Hand Protection Wear gloves.  
Eye Protection No specific hazard through eye contact although the wearing of safety glasses is advised.  
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 Colourless to pale coloured viscous liquid.  
Odour Odourless.  
pH Not applicable  
Boiling Point Not available  
Melting Point -50°C  
Flash Point 220°C (Open cup)  
Upper Flammable Limit Not applicable  
Lower Flammable Limit Not applicable  
Auto Ignition 340°C  
Explosive Properties No.  
Oxidising Properties No.  
Vapour Pressure Not applicable  
Relative Density 1.1200  
Water Solubility Completely miscible in water with moderate increase in temperature.

## 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 unusual. Burning will produce smoke, carbon monoxide and/or carbon dioxide.

# Section 11. Toxicological Information

## 11.1 Information on toxicological effects

Eyes Unlikely to be irritating to the eyes.  
Skin Presents no significant hazard by skin contact.  
LD50 Skin >20000mg/kg Rabbit  
Ingestion Presents no significant hazard by ingestion.  
LD50 Oral 34000mg/kg Rat  
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.                                   |
| Other Information    | Used throughout the food and cosmetics industries. |

## Section 12. Ecological

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

## Section 13. Disposal Considerations

### 13.1 Waste treatment methods

|                        |  |
|------------------------|--|
| Disposal Methods       | Do not dispose of as domestic waste. Dispose of in a licensed incinerator. |
| 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.

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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