SAFETY DATA SHEET
Immersion Oil


SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier
Product name Immersion Oil
Product number PL.396

1.2. Relevant identified uses of the substance or mixture and uses advised against
Identified uses Laboratory reagent.
Uses advised against No specific uses advised against are identified.

1.3. Details of the supplier of the safety data sheet
Supplier Pro-Lab Diagnostics
3 Bassendale Road
Wirral
Merseyside
CH62 3QL
Tel: 0151 353 1613
Fax: 0151 353 1614
mowen@pro-lab.com

1.4. Emergency telephone number
Emergency telephone +44 (0)151 353 1613 Monday to Friday 9.00 to 17.00
+44 (0)7714 429 646 outside the above hours

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
Classification
Physical hazards Not Classified
Health hazards Not Classified
Environmental hazards Aquatic Chronic 4 - H413

Classification (67/548/EEC or 1999/45/EC) R53

2.2. Label elements
Hazard statements H413 May cause long lasting harmful effects to aquatic life.
Precautionary statements P273 Avoid release to the environment.
P501 Dispose of contents/container in accordance with national regulations.

2.3. Other hazards
This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures
**Immersion Oil**

<table>
<thead>
<tr>
<th>Polyphenyls</th>
<th>25 - &lt;50%</th>
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<tbody>
<tr>
<td>CAS number: —</td>
<td>Classification (67/548/EEC or 1999/45/EC)</td>
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<td>Classification</td>
<td>Aquatic Chronic 4 - H413</td>
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<td>R53</td>
</tr>
</tbody>
</table>

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

**SECTION 4: First aid measures**

4.1. Description of first aid measures

**Inhalation**  
Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.

**Ingestion**  
Rinse mouth thoroughly with water. Give plenty of water to drink. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.

**Skin contact**  
Wash skin thoroughly with soap and water.

**Eye contact**  
Remove any contact lenses and open eyelids wide apart. Continue to rinse.

4.2. Most important symptoms and effects, both acute and delayed

**Inhalation**  
Irritation of nose, throat and airway.

**Ingestion**  
May cause discomfort if swallowed.

**Skin contact**  
Prolonged skin contact may cause redness and irritation.

**Eye contact**  
May cause temporary eye irritation.

4.3. Indication of any immediate medical attention and special treatment needed

**Notes for the doctor**  
The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

**SECTION 5: Firefighting measures**

5.1. Extinguishing media

**Suitable extinguishing media**  
Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire.

**Unsuitable extinguishing media**  
Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

**Hazardous combustion products**  
Thermal decomposition or combustion products may include the following substances: Oxides of carbon. Toxic gases or vapours.

5.3. Advice for firefighters

**Protective actions during firefighting**  
Control run-off water by containing and keeping it out of sewers and watercourses.

**Special protective equipment for firefighters**  
Use protective equipment appropriate for surrounding materials.

**SECTION 6: Accidental release measures**

6.1. Personal precautions, protective equipment and emergency procedures
Immersion Oil

Personal precautions
Wear protective clothing as described in Section 8 of this safety data sheet. Provide adequate ventilation. Keep unnecessary and unprotected personnel away from the spillage. Treat the spilled material according to the instructions in the clean-up section.

6.2. Environmental precautions
Environmental precautions
Avoid discharge into drains or watercourses or onto the ground. Contain spillage with sand, earth or other suitable non-combustible material. The product contains substances which are water-soluble and may spread in water systems. The product contains volatile substances which may spread in the atmosphere.

6.3. Methods and material for containment and cleaning up
Methods for cleaning up
Absorb in vermiculite, dry sand or earth and place into containers. Containers with collected spillage must be properly labelled with correct contents and hazard symbol.

6.4. Reference to other sections
Reference to other sections
See Section 11 for additional information on health hazards. For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Usage precautions
Read and follow manufacturer's recommendations.

Advice on general occupational hygiene
Avoid contact with eyes and prolonged skin contact.

7.2. Conditions for safe storage, including any incompatibilities
Storage precautions
Store in a cool and well-ventilated place.

7.3. Specific end use(s)
Specific end use(s)
The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters
Ingredient comments
No exposure limits known for ingredient(s).

8.2. Exposure controls
Eye/face protection
The most suitable eye protection required during normal use.

Hand protection
The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material.

Hygiene measures
No specific hygiene procedures recommended but good personal hygiene practices should always be observed when working with chemical products.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties
Appearance
Liquid.

Colour
Colourless to pale yellow.

Odour
Aromatic.

Odour threshold
Not determined.
**Immersion Oil**

- **pH**: Not determined.
- **Melting point**: Not relevant.
- **Initial boiling point and range**: > 200°C @ 760 mm Hg
- **Flash point**: Not determined.
- **Evaporation rate**: Not determined.
- **Evaporation factor**: Not determined.
- **Flammability (solid, gas)**: Not relevant.
- **Upper/lower flammability or explosive limits**: Not relevant.
- **Vapour pressure**: < 0.1 hPa @ 20°C
- **Vapour density**: Not determined.
- **Relative density**: 0.94 @ 20°C
- **Bulk density**: Not determined.
- **Solubility(ies)**: Immiscible with water. Soluble in the following materials: xylene toluene
- **Partition coefficient**: Not determined.
- **Auto-ignition temperature**: Not relevant.
- **Decomposition Temperature**: Not relevant.
- **Viscosity**: Not determined.
- **Explosive properties**: Not considered to be explosive.
- **Oxidising properties**: The mixture itself has not been tested but none of the ingredient substances meet the criteria for classification as oxidising.

**9.2. Other information**

Other information: No information required.

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**SECTION 10: Stability and reactivity**

**10.1. Reactivity**

**Reactivity**: There are no known reactivity hazards associated with this product.

**10.2. Chemical stability**

**Stability**: Stable at normal ambient temperatures and when used as recommended.

**10.3. Possibility of hazardous reactions**

**Possibility of hazardous reactions**: Will not polymerise.

**10.4. Conditions to avoid**

**Conditions to avoid**: Avoid excessive heat for prolonged periods of time.

**10.5. Incompatible materials**

**Materials to avoid**: No specific material or group of materials is likely to react with the product to produce a hazardous situation.

**10.6. Hazardous decomposition products**
Immersion Oil

Hazardous decomposition products
None at ambient temperatures. Thermal decomposition or combustion products may include the following substances: Oxides of carbon. Oxides of nitrogen.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral
Notes (oral LD₅₀)
Based on available data the classification criteria are not met.

Acute toxicity - dermal
Notes (dermal LD₅₀)
Based on available data the classification criteria are not met.

Acute toxicity - inhalation
Notes (inhalation LC₅₀)
Based on available data the classification criteria are not met.

Skin corrosion/irritation
Animal data
Based on available data the classification criteria are not met.

Serious eye damage/irritation
Serious eye damage/irritation
Based on available data the classification criteria are not met.

Respiratory sensitisation
Respiratory sensitisation
Based on available data the classification criteria are not met.

Skin sensitisation
Skin sensitisation
Based on available data the classification criteria are not met.

Germ cell mutagenicity
Genotoxicity - in vitro
Based on available data the classification criteria are not met.

Genotoxicity - in vivo
Based on available data the classification criteria are not met.

Carcinogenicity
Carcinogenicity
Based on available data the classification criteria are not met.

Reproductive toxicity
Reproductive toxicity - fertility
Based on available data the classification criteria are not met.

Specific target organ toxicity - single exposure
STOT - single exposure
Based on available data the classification criteria are not met.

Specific target organ toxicity - repeated exposure
STOT - repeated exposure
Based on available data the classification criteria are not met.

Aspiration hazard
Aspiration hazard
Not anticipated to present an aspiration hazard, based on chemical structure.

SECTION 12: Ecological information

12.1. Toxicity

Toxicity
Aquatic Chronic 4 - H413 May cause long lasting harmful effects to aquatic life.

Ecological information on ingredients.

Polyphenyls

Toxicity
Aquatic Chronic 4 - H413 May cause long lasting harmful effects to aquatic life.

12.2. Persistence and degradability
Immersion Oil

Persistence and degradability  No data available.

12.3. Bioaccumulative potential
Bioaccumulative potential  No data available on bioaccumulation.
Partition coefficient  Not determined.

12.4. Mobility in soil
Mobility  The product is soluble in water.

12.5. Results of PBT and vPvB assessment
Results of PBT and vPvB assessment  This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects
Other adverse effects  Not determined.

SECTION 13: Disposal considerations

13.1. Waste treatment methods
General information  Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Confirm disposal procedures with environmental engineer and local regulations. Care should be taken when handling emptied containers that have not been thoroughly cleaned or rinsed out.

Disposal methods  Do not empty into drains. Label the containers containing waste and contaminated materials and remove from the area as soon as possible. Collect and place in suitable waste disposal containers and seal securely. Dispose of contents/container in accordance with national regulations.

SECTION 14: Transport information

General  The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number
Not applicable.

14.2. UN proper shipping name
Not applicable.

14.3. Transport hazard class(es)
No transport warning sign required.

14.4. Packing group
Not applicable.

14.5. Environmental hazards
Environmentally hazardous substance/marine pollutant  No.

14.6. Special precautions for user
Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
Immersion Oil

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture


15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Classification procedures according to Regulation (EC) 1272/2008 Aquatic Chronic 4 - H413: Calculation method.

Revision comments Classification according to EC 1272/2008 (CLP).

Revision date 09/04/2015

Revision 5

Supersedes date 01/11/2012

SDS number 797

Risk phrases in full R53 May cause long-term adverse effects in the aquatic environment.

Hazard statements in full H413 May cause long lasting harmful effects to aquatic life.

The information in this safety data sheet was obtained from current and reliable sources. However, the data is provided without warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions for use, handling, storage and disposal of this product are beyond Pro-Lab Diagnostics control, it is the user's responsibility to perform thorough testing of this product when used in combination with any other product. It is suggested that users familiarise themselves with this safety data sheet before handling the product.