1. Chemical product and company identification

**Product name**
Ficoll-Paque™ PLUS, 500 ml

**Catalogue Number**
17-1440-03

**Statement of hazardous nature**
Not classified as hazardous according to the criteria of NOHSC nor classified as dangerous goods according to the ADG Code.

**Company details**

**Manufacturer**
Amersham Biosciences AB
SE-751 84 Uppsala
Sweden
+46 (0) 18 612 0000
a GE Healthcare company

**Supplier**
Amersham Biosciences Pty Ltd
Unit 1, 22 Hudson Avenue
Castle Hill, NSW 2154
Australia
+61 2 9899 0999

**Emergency telephone number**
000 or +61 2 9899 0999

**Uses**

**Area of application**
Industrial applications.

**Material uses**
Analytical chemistry. Research.

2. Composition/information on ingredients

**Mixture**
Preparation

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS number</th>
<th>% by weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diatrizoic acid, dihydrate</td>
<td>50978-11-5</td>
<td>10 - 15</td>
</tr>
<tr>
<td>Ficoll 400</td>
<td>26873-85-8</td>
<td>5 - 10</td>
</tr>
</tbody>
</table>

Other ingredients, determined not to be hazardous according to NOHSC criteria, make up the product concentration to 100%.

3. Hazards identification

**Emergency overview**

<table>
<thead>
<tr>
<th>Appearance</th>
<th>Liquid.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Odour</td>
<td>Odourless.</td>
</tr>
</tbody>
</table>

**Dangerous goods classification (ADG Code)**
Not regulated as Dangerous Goods according to the ADG Code

**Potential acute health effects**

- **Skin Contact**
  Irritation of the product in case of skin contact: Not available. Sensitisation of the product: Not available.

- **Eye contact**
  Slightly hazardous in case of eye contact (irritant).

**Potential chronic health effects**
Repeated or prolonged exposure is not known to aggravate medical condition.

4. First aid measures

**First aid measures**

**Inhalation**
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Obtain medical attention.

**Ingestion**
Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

**Skin Contact**
In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Cold water may be used. Wash clothing before reuse. Clean shoes thoroughly before reuse. Obtain medical attention.
Check for and remove any contact lenses. In case of contact, immediately flush eyes with a copious amount of water for at least 15 minutes. Cold water may be used. Get medical attention if irritation occurs.

5. Fire-fighting measures

Special fire-fighting procedures
Fire-fighters should wear self-contained positive pressure breathing apparatus (SCBA) and full turnout gear.

6. Accidental release measures

Personal Precautions
Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Environmental precautions and clean-up methods
Absorb with an inert material and put the spilled material in an appropriate waste disposal. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

7. Handling and storage

Handling
Do not breathe gas/fumes/vapour/spray. Keep away from incompatibles such as oxidising agents.

Storage
Keep container tightly closed. Store between 4 to 25°C (39.2 to 77°F).

8. Exposure controls/personal protection

NOHSC have not established exposure standards for this product.

Hygiene measures
Wash hands after handling compounds and before eating, smoking, using lavatory, and at the end of day.

Personal protective equipment

Skin and body
Lab coat.

Hands
Impervious gloves.

Eyes
Safety glasses.

Notes
Respiratory protection should conform to AS/NZS 1715 and AS/NZS 1716.
Eye protectors should conform to AS/NZS 1336 and AS/NZS 1337.
Chemically resistant gloves should conform to AS/NZS 2161.1.
Protective clothing should conform to AS 3765.1 or AS 3765.2.
Occupational footwear should conform to AS/NZS 2210.

9. Physical and chemical properties

Physical state
Liquid.

Colour
Colourless.

Odour
Odourless.

Boiling point
The lowest known value is 100°C (212°F) (water).

Melting point
May start to solidify at 0°C (32°F) based on data for: water.

Vapor pressure
The highest known value is 3.2 kPa (23.8 mm Hg) at 20°C (water).

Density
1.076 to 1.078 g/cm$^3$

Explosive properties
Not considered as a product presenting risks of explosion.

pH
4.5 - 7.5

Evaporation rate (butyl acetate = 1)
0.36 (water) compared to Butyl acetate.

Solubility
Easily soluble in cold water, hot water, methanol, acetone.
Very slightly soluble in diethyl ether, n-octanol.

10. Stability and reactivity

Stability
The product is stable.

Materials to avoid
Reactive with oxidising agents.
Slightly reactive to reactive with reducing agents.

11. Toxicological information

Local effects
Eye irritation
Slightly hazardous in case of eye contact (irritant).

Carcinogenic effects
Not available.

Mutagenic effects
Not available.
12. Ecological information

13. Disposal considerations

Methods of disposal: Waste of residues; Contaminated packaging

All waste must be disposed of in accordance with Local Authority, State Pollution Control Commission, EPA or Metropolitan Waste Disposal Authority requirements.

14. Transport information

International transport regulations

Not classified.

15. Regulatory information

Hazard symbol(s)

Australian Inventory Status

Indicates information that has changed from previously issued version.

Enquiries regarding MSDS Content should be directed to: our local sales office.

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.