**SAFETY DATA SHEET**

**DAPI**

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

**1.1. Product identifier**

<table>
<thead>
<tr>
<th>Product name</th>
<th>DAPI</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS number</td>
<td>28718-90-3</td>
</tr>
<tr>
<td>EC number</td>
<td>249-186-7</td>
</tr>
</tbody>
</table>

**1.2. Relevant identified uses of the substance or mixture and uses advised against**

Identified uses: For research use only.

**1.3. Details of the supplier of the safety data sheet**

<table>
<thead>
<tr>
<th>Supplier</th>
<th>Web: <a href="http://www.bio-rad-antibodies.com">www.bio-rad-antibodies.com</a></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Bio-Rad</td>
</tr>
<tr>
<td></td>
<td>Endeavour House</td>
</tr>
<tr>
<td></td>
<td>Langford Business Park</td>
</tr>
<tr>
<td></td>
<td>Kidlington</td>
</tr>
<tr>
<td></td>
<td>Oxford</td>
</tr>
<tr>
<td></td>
<td>OX5 1GE</td>
</tr>
<tr>
<td></td>
<td>Tel. +44 (0)1865 852700</td>
</tr>
<tr>
<td></td>
<td><a href="mailto:antibody_safetydatasheets@bio-rad.com">antibody_safetydatasheets@bio-rad.com</a></td>
</tr>
</tbody>
</table>

Contact person: Technical Services Manager

**1.4. Emergency telephone number**

Emergency telephone: Tel. +44 (0) 1865 852700 (9.00 a.m. - 5.00 p.m. Mon-Fri)

### SECTION 2: Hazards identification

**2.1. Classification of the substance or mixture**

<table>
<thead>
<tr>
<th>Classification</th>
<th>Physical hazards</th>
<th>Health hazards</th>
<th>Environmental hazards</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Not Classified</td>
<td>Not Classified</td>
<td>Not Classified</td>
</tr>
</tbody>
</table>

**2.2. Label elements**

<table>
<thead>
<tr>
<th>EC number</th>
<th>249-186-7</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hazard statements</td>
<td>NC Not Classified</td>
</tr>
<tr>
<td>Precautionary statements</td>
<td>EUH210 Safety data sheet available on request.</td>
</tr>
</tbody>
</table>

### SECTION 3: Composition/information on ingredients

### SECTION 4: First aid measures

**4.1. Description of first aid measures**
DAPI

**Inhalation**  Move affected person to fresh air at once. Keep affected person warm and at rest. Get medical attention immediately.

**Ingestion**  Not relevant.

**Skin contact**  Rinse immediately with plenty of water. Remove contaminated clothing. Get medical attention promptly if symptoms occur after washing.

**Eye contact**  Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes. Get medical attention promptly if symptoms occur after washing.

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

**Inhalation**  May cause coughing or mild irritation.

**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**  No specific recommendations.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

**Suitable extinguishing media**  Water spray, foam, dry powder or carbon dioxide.

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


### 5.3. Advice for firefighters

**Special protective equipment for firefighters**  Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

**Personal precautions**  Wear protective clothing as described in Section 8 of this safety data sheet. Avoid inhalation of dust. Avoid contact with skin and eyes.

### 6.2. Environmental precautions

**Environmental precautions**  Avoid the spillage or runoff entering drains, sewers or watercourses.

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

**Methods for cleaning up**  Collect spillage for reclamation or disposal in sealed containers via a licensed waste contractor.

### 6.4. Reference to other sections

**Reference to other sections**  Wear protective clothing as described in Section 8 of this safety data sheet.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

**Usage precautions**  Do not handle broken packages without protective equipment.

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

Storage precautions
Keep only in the original container. Store at specified temperature. Refer to product label.

Storage class
Refer to product datasheet.

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

8.2. Exposure controls

Protective equipment

Appropriate engineering controls
Provide adequate general and local exhaust ventilation. Observe any occupational exposure limits for the product or ingredients.

Eye/face protection
Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles.

Hand protection
Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible.

Other skin and body protection
Wear appropriate clothing to prevent any possibility of skin contact. Wear apron or protective clothing in case of contact.

Hygiene measures
Provide eyewash station. Do not smoke in work area. Wash hands at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke. Wash promptly with soap and water if skin becomes contaminated.

Respiratory protection
No specific recommendations. Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance
Dusty powder.

Colour
Yellow.

Odour
No characteristic odour.

Odour threshold
No information available. No information available.

pH
pH (concentrated solution): 4.0 - 5.0 @ 10g/l

Melting point
Not determined.

Initial boiling point and range
<100 @°C @ 760 mm Hg

Flash point
No information available.

Evaporation rate
Not applicable.

Upper/lower flammability or explosive limits
Not determined.

Vapour pressure
Not applicable.
DAPI

Vapour density  Not applicable.
Relative density  Not determined.
Solubility(ies)  Soluble in water.
Partition coefficient  Not determined.
Auto-ignition temperature  Not determined.
Decomposition Temperature  Not determined.
Viscosity  Not determined.
Explosive properties  No unusual fire or explosion hazards noted.
Oxidising properties  Not determined.

9.2. Other information
Other information  None.

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  Not determined.

10.4. Conditions to avoid
Conditions to avoid  Avoid exposure to high temperatures or direct sunlight.

10.5. Incompatible materials
Materials to avoid  Strong oxidising agents.

10.6. Hazardous decomposition products
Hazardous decomposition products  Not known.

SECTION 11: Toxicological information

11.1. Information on toxicological effects
Toxicological effects  No information available.
Skin corrosion/irritation
Extreme pH
Serious eye damage/irritation
Serious eye damage/irritation  Not determined.
Germ cell mutagenicity
Genotoxicity - in vitro  Not determined.
Genotoxicity - in vivo  Not determined.
Carcinogenicity
DAPI

Carcinogenicity
Not determined.

Reproductive toxicity
Reproductive toxicity - fertility
Not determined.

Specific target organ toxicity - single exposure
STOT - single exposure
Not determined.

Specific target organ toxicity - repeated exposure
STOT - repeated exposure
Not determined.

Aspiration hazard
Aspiration hazard
Not determined.

General information
No specific health hazards known.

Inhalation
Gas or vapour in high concentrations may irritate the respiratory system. Symptoms following overexposure may include the following: Coughing.

Ingestion
May cause discomfort if swallowed.

Skin contact
Liquid may irritate skin.

Eye contact
Vapour or spray in the eyes may cause irritation and smarting.

Acute and chronic health hazards
Because of the product's quantity and composition, the health hazard is regarded as low.

Route of entry
Skin and/or eye contact

Medical symptoms
No specific symptoms noted.

SECTION 12: Ecological Information

12.1. Toxicity
Acute toxicity - fish
Not determined.

12.2. Persistence and degradability
Persistence and degradability
There are no data on the degradability of this product.

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
No information available

12.6. Other adverse effects
Other adverse effects
Not determined.

SECTION 13: Disposal considerations

13.1. Waste treatment methods
DAPI

General information
When handling waste, the safety precautions applying to handling of the product should be considered.

Disposal methods
Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

SECTION 14: Transport information

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

Road transport notes
Not classified.

Rail transport notes
Not classified.

Sea transport notes
Not classified.

Air transport notes
Not classified.

14.1. UN number
Not applicable.

14.2. UN proper shipping name
Not applicable.

14.3. Transport hazard class(es)
Not applicable.

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
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not applicable.

SECTION 15: Regulatory information

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

Guidance
Workplace Exposure Limits EH40.
Approved Classification and Labelling Guide (Sixth edition) L131.
Safety Data Sheets for Substances and Preparations.

15.2. Chemical safety assessment
No chemical safety assessment has been carried out.

SECTION 16: Other information
# DAPI

<table>
<thead>
<tr>
<th>General information</th>
<th>Only trained personnel should use this material.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Revision date</td>
<td>10/03/2016</td>
</tr>
<tr>
<td>Revision</td>
<td>2</td>
</tr>
<tr>
<td>Supersedes date</td>
<td>21/12/2015</td>
</tr>
<tr>
<td>SDS number</td>
<td>10144</td>
</tr>
<tr>
<td>Risk phrases in full</td>
<td>Not classified.</td>
</tr>
</tbody>
</table>

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.