SAFETY DATA SHEET
HRP POLYMER

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

1.1. Product identifier
Product name HRP POLYMER

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
Supplier
Web: www.bio-rad-antibodies.com
Bio-Rad
Endeavour House
Langford Business Park
Kidlington
Oxford
OX5 1GE
antibody_safetydatasheets@bio-rad.com
Contact person
Technical Services Manager

1.4. Emergency telephone number
Emergency telephone +1 7037415970 (CHEMTREC)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
Classification (EC 1272/2008)
Physical hazards Not Classified
Health hazards Not Classified
Environmental hazards Not Classified

2.2. Label elements
Hazard statements NC Not Classified

2.3. Other hazards
No information available.

SECTION 3: Composition/information on ingredients

3.2. Mixtures
Composition comments No classified ingredients, or those having occupational exposure limits, present above the levels of disclosure.

SECTION 4: First aid measures

4.1. Description of first aid measures
Inhalation Due to the small packaging, the risk of inhalation is minimal. Move affected person to fresh air at once.
HRP POLYMER

Ingestion
Rinse mouth thoroughly with water. Give plenty of water to drink. Never give anything by mouth to an unconscious person.

Skin contact
Rinse immediately with plenty of water. Remove contaminated clothing.

Eye contact
Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes.

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

Inhalation
May cause cause coughing or mild irritation.

Ingestion
May cause discomfort if swallowed.

Skin contact
Skin 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

Specific hazards
There are no known reactivity hazards associated with this product. No unusual fire or explosion hazards noted.

5.3. Advice for firefighters

Protective actions during firefighting
Not known.

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

Personal precautions
Wear protective clothing as described in Section 8 of this safety data sheet.

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
Absorb small quantities with paper towels and evaporate in a safe place.

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
No specific recommendations.

7.2. Conditions for safe storage, including any incompatibilities
HRP POLYMER

Storage precautions
Keep only in the original container. Store at temperatures not exceeding «Value in °C»/«Value in °F».

Storage class
Unspecified storage.

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
Exposure Limits have not been established for this product

8.2. Exposure controls

Protective equipment

Appropriate engineering controls
Not relevant.

Eye/face protection
Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Unless the assessment indicates a higher degree of protection is required, the following protection should be worn: Tight-fitting safety glasses.

Hand protection
Wear protective gloves.

Other skin and body protection
Wear appropriate clothing to prevent reasonably probable skin contact.

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

Respiratory protection
Not relevant.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance
Liquid.

Colour
Red.

Odour
Odourless.

pH
pH (concentrated solution): Neutral

Melting point
Not applicable.

Initial boiling point and range
Not applicable.

Flash point
Not applicable.

Evaporation rate
Not known.

Evaporation factor
Not known.

Upper/lower flammability or explosive limits
Not applicable.

Vapour pressure
Not known.

Vapour density
Not known.
HRP POLYMER

Relative density  1 g/mL @ °C
Solubility(ies)  Soluble in water.
Partition coefficient  Not determined.
Auto-ignition temperature  Not determined.
Decomposition Temperature  Not determined.
Viscosity  Not available.
Explosive properties  Not determined.
Oxidising properties  Not determined.

9.2. 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  Will not polymerise. Avoid contact with acids and alkalis. Avoid heat.

10.4. Conditions to avoid
Conditions to avoid  Avoid heat. Avoid contact with the following materials: Strong oxidising agents. Avoid freezing.

10.5. Incompatible materials
Materials to avoid  Strong bases. Acids - oxidising.

10.6. Hazardous decomposition products
Hazardous decomposition products  Does not decompose when used and stored as recommended.

SECTION 11: Toxicological information

11.1. Information on toxicological effects
Toxicological effects  No information available.
Acute toxicity - oral  Not determined.
Notes (oral LD₅₀)  Not determined.
Skin corrosion/irritation  Not determined.
Human skin model test  Not determined.
Extreme pH  7.2
Serious eye damage/irritation  Not determined.
Serious eye damage/irritation  Not determined.
Germ cell mutagenicity  Not determined.
Genotoxicity - in vitro  Not determined.
HRP POLYMER

Carcinogenicity
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.

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 exposure  Ingestion. Skin and/or eye contact

SECTION 12: Ecological Information

Ecotoxicity  The concentrations in these components do not need to be classified as hazardous for the environment and the effects are not considered significant given the concentrations and pack sizes

12.1. Toxicity

Acute aquatic toxicity
Acute toxicity - fish  No Data Available

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 available.
## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**General information**  
Waste is classified as hazardous waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

**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 MARPOL 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

**National regulations**  

**EU legislation**  

**Guidance**  
HRP POLYMER

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

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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.