



10/27/2020

**KIT COMPONENTS**Product name: **Platelia HSV (1 + 2) IgM (96 tests)**Product code: **72683**

Article number	Description	Quantity	Symbols
72683 R1	Microplate	1	
72680 WASHBUF	Wash Buffer 10 x (100 mL)	1	
72683 R3	IgM Negative Control (1.6 mL)	1	
72683 R4a	Cut off Control (2.5 mL)	1	
72683 R4b	Positive Control (1.6 mL)	1	
72683 R6a	Lyophilized Antigen	6	
72683 R6b	Conjugate (18 mL)	1	
72680 SAMP DIL	Diluent 2 (100 mL)	1	
72680 SUBS TMB	Substrate (15 mL)	1	
72680 STOP SOL.	Stop Solution (16 mL)	1	GHS05 GHS08

## Safety Data Sheet

according to HPR, Schedule 1

Printing date 10/27/2020

Reviewed on 07/03/2015

### 1 Identification

- **Product identifier**

- **Trade name:** Microplate

- **Article number:** 72683 R1

- **Application of the substance / the mixture** In vitro diagnostic medical device or component.

- **Details of the supplier of the safety data sheet**

- **Manufacturer/Supplier:**

Bio-Rad  
3 boulevard Raymond-Poincaré  
92430 Marnes-la-Coquette  
Phone: +33 (0)1 47 95 60 00  
Fax: +33 (0)1 47 41 91 33  
e-mail: fds-msds.fr@bio-rad.com

Bio-Rad laboratories (Canada) Ltd.  
2403 Guénette Montreal,  
Montréal (Québec) H4R 2E9  
Phone: (800) 361-1808  
Fax: (514) 334-0872

- **Information department:** Customer support.
  - **Emergency telephone number:** See item 16

### 2 Hazard identification

- **Classification of the substance or mixture**

The product is not classified, according to the Globally Harmonized System (GHS).

- **Label elements**

- **GHS label elements** Void

- **Hazard pictograms** Void

- **Signal word** Void

- **Hazard statements** Void

- **Classification system:**

- **NFPA ratings (scale 0 - 4)**

Health = 0

Fire = 0

Reactivity = 0

- **HMIS-ratings (scale 0 - 4)**

Health = 0

Fire = 0

Reactivity = 0

CDN

(Contd. on page 2)

## Safety Data Sheet

according to HPR, Schedule 1

Printing date 10/27/2020

Reviewed on 07/03/2015

Trade name: Microplate

(Contd. of page 1)

### 3 Composition/Information on ingredients

- **Chemical characterization: Mixtures**
  - **Description:** Mixture without a chemical hazard.
  - **Dangerous components:** Void

### 4 First-aid measures

- **Description of first aid measures**
  - **General information:** No special measures required.
  - **After inhalation:** Supply fresh air; consult doctor in case of complaints.
  - **After skin contact:** Generally the product does not irritate the skin.
  - **After eye contact:** Rinse opened eye for several minutes under running water.
  - **After swallowing:** Consult a doctor, if necessary.
- **Information for doctor:**
  - **Most important symptoms and effects, both acute and delayed**  
No further relevant information available.
  - **Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### 5 Fire-fighting measures

- **Extinguishing media**
  - **Suitable extinguishing agents:**  
CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
  - **Protective equipment:** No special measures required.

### 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Wear disposable gloves.
- **Environmental precautions:** Do not allow product to reach sewage system or any water course.
- **Methods and material for containment and cleaning up:** Pick up mechanically.
- **Reference to other sections** No dangerous substances are released.

### 7 Handling and storage

- **Handling:**
  - **Precautions for safe handling**  
Prevent formation of dust.  
Avoid all contact with reagents, even those considered to be non-hazardous.  
Follow good laboratory practices.

(Contd. on page 3)

CDN

## Safety Data Sheet

according to HPR, Schedule 1

Printing date 10/27/2020

Reviewed on 07/03/2015

**Trade name: Microplate**

(Contd. of page 2)

- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
  - **Storage:**
    - **Requirements to be met by storerooms and receptacles:** No special requirements.
    - **Information about storage in one common storage facility:** Not required.
    - **Further information about storage conditions:** None.
- **Specific end use(s)** No further relevant information available.

### 8 Exposure controls/ Personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**
  - **Components with limit values that require monitoring at the workplace:**  
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
    - **Additional information:** The lists that were valid during the creation were used as basis.
- **Personal protective equipment:**
  - **General protective and hygienic measures:**  
The usual precautionary measures for handling chemicals should be followed.
  - **Breathing equipment:** Not required.
  - **Protection of hands:**  
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
  - **Eye protection:** Not required.

### 9 Physical and chemical properties

- **Information on basic physical and chemical properties**
  - **General Information**
    - **Appearance:**
      - **Form:** Solid
      - **Color:** Colorless
      - **Odor:** Odorless
- **Change in condition**
  - **Melting point/Melting range:** Undetermined.
  - **Boiling point/Boiling range:** Undetermined.
- **Flash point:** Not applicable.
- **Auto igniting:** Product is not selfigniting.
- **Danger of explosion:** Product does not present an explosion hazard.
- **Density:** Not determined.

(Contd. on page 4)

CDN

## Safety Data Sheet

according to HPR, Schedule 1

Printing date 10/27/2020

Reviewed on 07/03/2015

**Trade name: Microplate**

(Contd. of page 3)

**Solubility in / Miscibility with**
**Water:** Insoluble.

**Solvent content:**
**Organic solvents:** 0.0 %

**Other information** No further relevant information available.

### 10 Stability and reactivity

**Reactivity** No further relevant information available.

**Chemical stability**
**Thermal decomposition / conditions to be avoided:**

No decomposition if used according to specifications.

**Possibility of hazardous reactions** No dangerous reactions known.

**Conditions to avoid** No further relevant information available.

**Incompatible materials:** No further relevant information available.

**Hazardous decomposition products:** No dangerous decomposition products known.

### 11 Toxicological information

**Information on toxicological effects**
**Acute toxicity:**
**Primary irritant effect:**
**on the skin:** No irritant effect.

**on the eye:** No irritating effect.

**Sensitization:** No sensitizing effects known.

**Additional toxicological information:**

The product is not subject to classification according to internally approved calculation methods for preparations:

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

**Carcinogenic categories**
**IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

**NTP (National Toxicology Program)**

None of the ingredients is listed.

### 12 Ecological information

**Toxicity**
**Aquatic toxicity:** No further relevant information available.

**Persistence and degradability** No further relevant information available.

(Contd. on page 5)

CDN

## Safety Data Sheet

according to HPR, Schedule 1

Printing date 10/27/2020

Reviewed on 07/03/2015

**Trade name: Microplate**

(Contd. of page 4)

- **Behavior in environmental systems:**
  - **Bioaccumulative potential** No further relevant information available.
  - **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
  - **General notes:** Not hazardous for water.
- **Results of PBT and vPvB assessment**
  - **PBT:** Not applicable.
  - **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

### 13 Disposal considerations

- **Waste treatment methods**
  - **Recommendation:**  
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
  - **Recommendation:** Disposal must be made according to official regulations.
  - **Recommended cleansing agent:** Water, if necessary with cleansing agents.

### 14 Transport information

· <b>UN-Number</b>	
· DOT/TDG, ADR, ADN, IMDG, IATA	Void
· <b>UN proper shipping name</b>	
· DOT/TDG, ADR, ADN, IMDG, IATA	Void
· <b>Transport hazard class(es)</b>	
· DOT, ADR, ADN, IMDG, IATA	
· Class	Void
· <b>Packing group</b>	
· DOT/TDG, ADR, IMDG, IATA	Void
· <b>Environmental hazards:</b>	
· Marine pollutant:	No
· <b>Special precautions for user</b>	Not applicable.
· <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.
· <b>Transport/Additional information:</b>	Not dangerous according to the above specifications.

(Contd. on page 6)

CDN

## Safety Data Sheet

according to HPR, Schedule 1

Printing date 10/27/2020

Reviewed on 07/03/2015

**Trade name: Microplate**

(Contd. of page 5)

· UN "Model Regulation":	Void
--------------------------	------

### 15 Regulatory information

· **Safety, health and environmental regulations/legislation specific for the substance or mixture**

· **Sara**

· **Section 355 (extremely hazardous substances):**

None of the ingredient is listed.

· **Section 313 (Specific toxic chemical listings):**

None of the ingredients is listed.

· **TSCA (Toxic Substances Control Act):**

None of the ingredients is listed.

· **Canadian substance listings:**

· **Canadian Domestic Substances List (DSL)**

None of the ingredients is listed.

· **Canadian Ingredient Disclosure list (limit 0.1%)**

None of the ingredients is listed.

· **Canadian Ingredient Disclosure list (limit 1%)**

None of the ingredients is listed.

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Department issuing SDS:**

MSDS / FDS Administr.

Bio-Rad

Marnes-la-Coquette, France

· **Contact:**

Customer Support

Phone : +33 (0)1 47 95 62 77

CANADA

Bio-Rad laboratories (Canada) Ltd.,

2403 Guénette Montreal,

Montreal (Québec) H4R 2E9

Phone : (800) 361-1808

Fax : (514) 334-0872

· **Abbreviations and acronyms:**

IMDG: International Maritime Code for Dangerous Goods

(Contd. on page 7)

CDN

**Safety Data Sheet**  
according to HPR, Schedule 1

Printing date 10/27/2020

Reviewed on 07/03/2015

**Trade name: Microplate**

DOT: US Department of Transportation  
IATA: International Air Transport Association  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
NFPA: National Fire Protection Association (USA)  
HMIS: Hazardous Materials Identification System (USA)  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative

(Contd. of page 6)

CDN



## Safety Data Sheet

according to HPR, Schedule 1

Printing date 10/27/2020

Reviewed on 07/03/2015

### 1 Identification

- **Product identifier**

- **Trade name: Wash Buffer 10 x (100 mL)**

- **Article number:**

- 72680 WASHBUF
    - 72681 WASHBUF
    - 72682 WASHBUF
    - 72683 WASHBUF
    - 72684 WASHBUF
    - 72685 WASHBUF
    - 72686 WASHBUF
    - 72687 WASHBUF
    - 72688 WASHBUF
    - 72689 WASHBUF

- **Application of the substance / the mixture** In vitro diagnostic medical device or component.

- **Details of the supplier of the safety data sheet**

- **Manufacturer/Supplier:**

- Bio-Rad  
3 boulevard Raymond-Poincaré  
92430 Marnes-la-Coquette  
Phone: +33 (0)1 47 95 60 00  
Fax: +33 (0)1 47 41 91 33  
e-mail: fds-msds.fr@bio-rad.com

- Bio-Rad laboratories (Canada) Ltd.  
2403 Guénette Montreal,  
Montréal (Québec) H4R 2E9  
Phone: (800) 361-1808  
Fax: (514) 334-0872

- **Information department:** Customer support.

- **Emergency telephone number:** See item 16

### 2 Hazard identification

- **Classification of the substance or mixture**

- The product is not classified, according to the Globally Harmonized System (GHS).

- **Label elements**

- **GHS label elements** Void

- **Hazard pictograms** Void

- **Signal word** Void

- **Hazard statements** Void

- **Classification system:**

- **NFPA ratings (scale 0 - 4)**

- Health = 0

- Fire = 0

- Reactivity = 0

(Contd. on page 2)

CDN

## Safety Data Sheet

according to HPR, Schedule 1

Printing date 10/27/2020

Reviewed on 07/03/2015

**Trade name: Wash Buffer 10 x (100 mL)**

(Contd. of page 1)

**· HMIS-ratings (scale 0 - 4)**

Health = 0

Fire = 0

Reactivity = 0

### 3 Composition/Information on ingredients

**· Chemical characterization: Mixtures****· Description:** Mixture without a chemical hazard.**· Dangerous components:** Void

### 4 First-aid measures

**· Description of first aid measures****· General information:** No special measures required.**· After inhalation:** Supply fresh air; consult doctor in case of complaints.**· After skin contact:** Immediately wash with water and soap and rinse thoroughly.**· After eye contact:** Rinse opened eye for several minutes under running water.**· After swallowing:** Consult a doctor, if necessary.**· Information for doctor:****· Most important symptoms and effects, both acute and delayed**

No further relevant information available.

**· Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

### 5 Fire-fighting measures

**· Extinguishing media****· Suitable extinguishing agents:**

Use fire fighting measures that suit the environment.

CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray.**· Special hazards arising from the substance or mixture** No further relevant information available.**· Advice for firefighters****· Protective equipment:** No special measures required.

### 6 Accidental release measures

**· Personal precautions, protective equipment and emergency procedures** Wear disposable gloves.**· Environmental precautions:** Do not allow product to reach sewage system or any water course.**· Methods and material for containment and cleaning up:**

Absorb liquid components with liquid-binding material.

(Contd. on page 3)

—CDN—

## Safety Data Sheet

according to HPR, Schedule 1

Printing date 10/27/2020

Reviewed on 07/03/2015

**Trade name: Wash Buffer 10 x (100 mL)**

(Contd. of page 2)

- **Reference to other sections** No dangerous substances are released.

### 7 Handling and storage

- **Handling:**
  - **Precautions for safe handling**  
Avoid all contact with reagents, even those considered to be non-hazardous.  
Follow good laboratory practices.
  - **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
  - **Storage:**
    - **Requirements to be met by storerooms and receptacles:** No special requirements.
    - **Information about storage in one common storage facility:** Not required.
    - **Further information about storage conditions:** None.
- **Specific end use(s)** No further relevant information available.

### 8 Exposure controls/ Personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**
  - **Components with limit values that require monitoring at the workplace:**  
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
    - **Additional information:** The lists that were valid during the creation were used as basis.
- **Personal protective equipment:**
  - **General protective and hygienic measures:**  
The usual precautionary measures for handling chemicals should be followed.
  - **Breathing equipment:** Suitable respiratory protective device recommended.
  - **Protection of hands:** Protective gloves
  - **Eye protection:** Safety glasses

### 9 Physical and chemical properties

- **Information on basic physical and chemical properties**
  - **General Information**
    - **Appearance:**
      - **Form:** Fluid
      - **Color:** Colorless
      - **Odor:** Characteristic
  - **Change in condition**
    - **Melting point/Melting range:** Undetermined.
    - **Boiling point/Boiling range:** Undetermined.

(Contd. on page 4)

CDN

## Safety Data Sheet

according to HPR, Schedule 1

Printing date 10/27/2020

Reviewed on 07/03/2015

**Trade name: Wash Buffer 10 x (100 mL)**

(Contd. of page 3)

· <b>Flash point:</b>	Not applicable.
· <b>Danger of explosion:</b>	Product does not present an explosion hazard.
· <b>Density:</b>	Not determined.
· <b>Solubility in / Miscibility with</b>	
· <b>Water:</b>	Fully miscible.
· <b>Other information</b>	No further relevant information available.

### 10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
  - **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

### 11 Toxicological information

- **Information on toxicological effects**
  - **Additional toxicological information:**  
The product is not subject to classification according to internally approved calculation methods for preparations:  
When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.
  - **Carcinogenic categories**

#### · **IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

#### · **NTP (National Toxicology Program)**

None of the ingredients is listed.

### 12 Ecological information

- **Toxicity**
  - **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behavior in environmental systems:**
  - **Bioaccumulative potential** No further relevant information available.
  - **Mobility in soil** No further relevant information available.

(Contd. on page 5)

CDN

## Safety Data Sheet

according to HPR, Schedule 1

Printing date 10/27/2020

Reviewed on 07/03/2015

**Trade name: Wash Buffer 10 x (100 mL)**

(Contd. of page 4)

- **Additional ecological information:**
  - **General notes:** Avoid transfer into the environment.
- **Results of PBT and vPvB assessment**
  - **PBT:** Not applicable.
  - **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

### 13 Disposal considerations

- **Waste treatment methods**
  - **Recommendation:** Must be specially treated adhering to official regulations.
- **Uncleaned packagings:**
  - **Recommendation:** Disposal must be made according to official regulations.
  - **Recommended cleansing agent:** Water, if necessary with cleansing agents.

### 14 Transport information

· <b>UN-Number</b>	
· DOT/TDG, ADR, ADN, IMDG, IATA	Void
· <b>UN proper shipping name</b>	
· DOT/TDG, ADR, ADN, IMDG, IATA	Void
· <b>Transport hazard class(es)</b>	
· DOT, ADR, ADN, IMDG, IATA	
· Class	Void
· <b>Packing group</b>	
· DOT/TDG, ADR, IMDG, IATA	Void
· <b>Environmental hazards:</b>	
· Marine pollutant:	No
· <b>Special precautions for user</b>	Not applicable.
· <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.
· <b>Transport/Additional information:</b>	Not dangerous according to the above specifications.
· <b>UN "Model Regulation":</b>	Void

CDN

(Contd. on page 6)

## Safety Data Sheet

according to HPR, Schedule 1

Printing date 10/27/2020

Reviewed on 07/03/2015

**Trade name: Wash Buffer 10 x (100 mL)**

(Contd. of page 5)

### 15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Sara**

- **Section 355 (extremely hazardous substances):**

None of the ingredient is listed.

- **Section 313 (Specific toxic chemical listings):**

None of the ingredients is listed.

- **TSCA (Toxic Substances Control Act):**

7647-14-5	sodium chloride
9002-92-0	Ethoxylated lauryl alcohol
7732-18-5	water, distilled, conductivity or of similar purity

- **Canadian substance listings:**

- **Canadian Domestic Substances List (DSL)**

7647-14-5	sodium chloride
9002-92-0	Ethoxylated lauryl alcohol
7732-18-5	water, distilled, conductivity or of similar purity

- **Canadian Ingredient Disclosure list (limit 0.1%)**

None of the ingredients is listed.

- **Canadian Ingredient Disclosure list (limit 1%)**

None of the ingredients is listed.

- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Department issuing SDS:**

MSDS / FDS Administr.

Bio-Rad

Marnes-la-Coquette, France

- **Contact:**

Customer Support

Phone : +33 (0)1 47 95 62 77

CANADA

Bio-Rad laboratories (Canada) Ltd.,

2403 Guénette Montreal,

Montreal (Québec) H4R 2E9

Phone : (800) 361-1808

Fax : (514) 334-0872

(Contd. on page 7)

CDN

**Safety Data Sheet**  
according to HPR, Schedule 1

Printing date 10/27/2020

Reviewed on 07/03/2015

**Trade name: Wash Buffer 10 x (100 mL)**

(Contd. of page 6)

**· Abbreviations and acronyms:**

ICAO: International Civil Aviation Organisation  
IMDG: International Maritime Code for Dangerous Goods  
DOT: US Department of Transportation  
IATA: International Air Transport Association  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
NFPA: National Fire Protection Association (USA)  
HMIS: Hazardous Materials Identification System (USA)  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative

CDN

## Safety Data Sheet

according to HPR, Schedule 1

Printing date 10/27/2020

Reviewed on 07/03/2015

### 1 Identification

- **Product identifier**

- **Trade name:** IgM Negative Control (1.6 mL)

- **Article number:** 72683 R3

- **Application of the substance / the mixture** In vitro diagnostic medical device or component.

- **Details of the supplier of the safety data sheet**

- **Manufacturer/Supplier:**

Bio-Rad  
3 boulevard Raymond-Poincaré  
92430 Marnes-la-Coquette  
Phone: +33 (0)1 47 95 60 00  
Fax: +33 (0)1 47 41 91 33  
e-mail: fds-msds.fr@bio-rad.com

Bio-Rad laboratories (Canada) Ltd.  
2403 Guénette Montreal,  
Montréal (Québec) H4R 2E9  
Phone: (800) 361-1808  
Fax: (514) 334-0872

- **Information department:** Customer support.

- **Emergency telephone number:** See item 16

### 2 Hazard identification

- **Classification of the substance or mixture**

The product is not classified, according to the Globally Harmonized System (GHS).

- **Label elements**

- **GHS label elements** Void

- **Hazard pictograms** Void

- **Signal word** Void

- **Hazard statements** Void

- **Classification system:**

- **NFPA ratings (scale 0 - 4)**

Health = 0

Fire = 0

Reactivity = 0

- **HMIS-ratings (scale 0 - 4)**

Health = 0

Fire = 0

Reactivity = 0

CDN

(Contd. on page 2)



## Safety Data Sheet

according to HPR, Schedule 1

Printing date 10/27/2020

Reviewed on 07/03/2015

Trade name: IgM Negative Control (1.6 mL)

(Contd. of page 1)

### 3 Composition/Information on ingredients

- **Chemical characterization: Mixtures**

- **Description:** Mixture containing components at a non hazardous concentration.

- **Dangerous components:** Void

### 4 First-aid measures

- **Description of first aid measures**

- **General information:** No special measures required.

- **After inhalation:** Supply fresh air; consult doctor in case of complaints.

- **After skin contact:** Generally the product does not irritate the skin.

- **After eye contact:** Rinse opened eye for several minutes under running water.

- **After swallowing:** Consult a doctor, if necessary.

- **Information for doctor:**

- **Most important symptoms and effects, both acute and delayed**

No further relevant information available.

- **Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

### 5 Fire-fighting measures

- **Extinguishing media**

- **Suitable extinguishing agents:**

CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray.

- **Special hazards arising from the substance or mixture** No further relevant information available.

- **Advice for firefighters**

- **Protective equipment:** No special measures required.

### 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Wear disposable gloves.

- **Environmental precautions:** Dilute with plenty of water.

- **Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

- **Reference to other sections** No dangerous substances are released.

### 7 Handling and storage

- **Handling:**

- **Precautions for safe handling**

Keep receptacles tightly sealed.

Avoid all contact with reagents, even those considered to be non-hazardous.

(Contd. on page 3)

—CDN—

## Safety Data Sheet

according to HPR, Schedule 1

Printing date 10/27/2020

Reviewed on 07/03/2015

**Trade name: IgM Negative Control (1.6 mL)**

(Contd. of page 2)

- Follow good laboratory practices.
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
  - **Storage:**
    - **Requirements to be met by storerooms and receptacles:** No special requirements.
    - **Information about storage in one common storage facility:** Not required.
    - **Further information about storage conditions:** None.
- **Specific end use(s)** No further relevant information available.

### 8 Exposure controls/ Personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**
  - **Components with limit values that require monitoring at the workplace:**  
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
  - **Additional information:** The lists that were valid during the creation were used as basis.
- **Personal protective equipment:**
  - **General protective and hygienic measures:**  
The usual precautionary measures for handling chemicals should be followed.
  - **Breathing equipment:** Not required.
  - **Protection of hands:**  
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
  - **Eye protection:** Goggles recommended during refilling.

### 9 Physical and chemical properties

- **Information on basic physical and chemical properties**
  - **General Information**
    - **Appearance:**
      - **Form:** Fluid
      - **Color:** According to product specification
    - **Odor:** Characteristic
  - **Change in condition**
    - **Melting point/Melting range:** Undetermined.
    - **Boiling point/Boiling range:** Undetermined.
  - **Flash point:** Not applicable.
  - **Auto igniting:** Product is not selfigniting.
  - **Danger of explosion:** Product does not present an explosion hazard.
  - **Vapor pressure at 20 °C:** 23 hPa

(Contd. on page 4)

CDN

## Safety Data Sheet

according to HPR, Schedule 1

Printing date 10/27/2020

Reviewed on 07/03/2015

**Trade name: IgM Negative Control (1.6 mL)**

(Contd. of page 3)

- |   |  |
|---|--|
| · <b>Density:</b>                         | Not determined.                            |
| · <b>Solubility in / Miscibility with</b> |  |
| · <b>Water:</b>                           | Fully miscible.                            |
| · <b>Solvent content:</b>                 |  |
| · <b>Organic solvents:</b>                | 0.0 %                                      |
| · <b>Water:</b>                           | 97.7 %                                     |
| · <b>Other information</b>                | No further relevant information available. |

### 10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
  - **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

### 11 Toxicological information

#### · Information on toxicological effects

##### · Acute toxicity:

##### · LD/LC50 values that are relevant for classification:

#### 26628-22-8 Sodium Azide

Oral	LD50	27 mg/kg (rat)
Dermal	LD50	20 mg/kg (rabbit)

##### · Primary irritant effect:

- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.

##### · Sensitization:

No sensitizing effects known.

##### · Additional toxicological information:

The product is not subject to classification according to internally approved calculation methods for preparations:

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

##### · Carcinogenic categories

##### · IARC (International Agency for Research on Cancer)

None of the ingredients is listed.

(Contd. on page 5)

CDN

## Safety Data Sheet

according to HPR, Schedule 1

Printing date 10/27/2020

Reviewed on 07/03/2015

**Trade name: IgM Negative Control (1.6 mL)**

(Contd. of page 4)

### · NTP (National Toxicology Program)

None of the ingredients is listed.

## 12 Ecological information

- **Toxicity**
  - **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behavior in environmental systems:**
  - **Bioaccumulative potential** No further relevant information available.
  - **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
  - **General notes:** Not hazardous for water.
- **Results of PBT and vPvB assessment**
  - **PBT:** Not applicable.
  - **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

## 13 Disposal considerations

- **Waste treatment methods**
  - **Recommendation:**  
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
  - **Recommendation:** Disposal must be made according to official regulations.
  - **Recommended cleansing agent:** Water, if necessary with cleansing agents.

## 14 Transport information

- |                                     |      |
|-------------------------------------|------|
| · <b>UN-Number</b>                  |      |
| · DOT/TDG, ADR, ADN, IMDG, IATA     | Void |
| · <b>UN proper shipping name</b>    |      |
| · DOT/TDG, ADR, ADN, IMDG, IATA     | Void |
| · <b>Transport hazard class(es)</b> |      |
| · DOT, ADR, ADN, IMDG, IATA         |      |
| · Class                             | Void |
| · <b>Packing group</b>              |      |
| · DOT/TDG, ADR, IMDG, IATA          | Void |

(Contd. on page 6)

CDN

## Safety Data Sheet

according to HPR, Schedule 1

Printing date 10/27/2020

Reviewed on 07/03/2015

**Trade name: IgM Negative Control (1.6 mL)**

(Contd. of page 5)

· <b>Environmental hazards:</b>	
· <b>Marine pollutant:</b>	No
· <b>Special precautions for user</b>	Not applicable.
· <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.
· <b>Transport/Additional information:</b>	Not dangerous according to the above specifications.
· <b>UN "Model Regulation":</b>	Void

### 15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Sara**

#### · **Section 355 (extremely hazardous substances):**

26628-22-8 Sodium Azide

#### · **Section 313 (Specific toxic chemical listings):**

26628-22-8 Sodium Azide

#### · **TSCA (Toxic Substances Control Act):**

7647-14-5 sodium chloride

26628-22-8 Sodium Azide

9002-92-0 Ethoxylated lauryl alcohol

7732-18-5 water, distilled, conductivity or of similar purity

#### · **Canadian substance listings:**

##### · **Canadian Domestic Substances List (DSL)**

7647-14-5 sodium chloride

26628-22-8 Sodium Azide

9002-92-0 Ethoxylated lauryl alcohol

7732-18-5 water, distilled, conductivity or of similar purity

##### · **Canadian Ingredient Disclosure list (limit 0.1%)**

None of the ingredients is listed.

##### · **Canadian Ingredient Disclosure list (limit 1%)**

None of the ingredients is listed.

- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

(Contd. on page 7)

**Safety Data Sheet**  
according to HPR, Schedule 1

Printing date 10/27/2020

Reviewed on 07/03/2015

**Trade name: IgM Negative Control (1.6 mL)**

(Contd. of page 6)

**· Department issuing SDS:**

MSDS / FDS Administr.  
Bio-Rad  
Marnes-la-Coquette, France

**· Contact:**

Customer Support  
Phone : +33 (0)1 47 95 62 77

**CANADA**

Bio-Rad laboratories (Canada) Ltd.,  
2403 Guénette Montreal,  
Montreal (Québec) H4R 2E9

Phone : (800) 361-1808

Fax : (514) 334-0872

**· Abbreviations and acronyms:**

IMDG: International Maritime Code for Dangerous Goods  
DOT: US Department of Transportation  
IATA: International Air Transport Association  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
NFPA: National Fire Protection Association (USA)  
HMIS: Hazardous Materials Identification System (USA)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative

—CDN—

## Safety Data Sheet

according to HPR, Schedule 1

Printing date 10/27/2020

Reviewed on 07/03/2015

### 1 Identification

- **Product identifier**

- **Trade name:** Cut off Control (2.5 mL)

- **Article number:** 72683 R4a

- **Application of the substance / the mixture** In vitro diagnostic medical device or component.

- **Details of the supplier of the safety data sheet**

- **Manufacturer/Supplier:**

Bio-Rad  
3 boulevard Raymond-Poincaré  
92430 Marnes-la-Coquette  
Phone: +33 (0)1 47 95 60 00  
Fax: +33 (0)1 47 41 91 33  
e-mail: fds-msds.fr@bio-rad.com

Bio-Rad laboratories (Canada) Ltd.  
2403 Guénette Montreal,  
Montréal (Québec) H4R 2E9  
Phone: (800) 361-1808  
Fax: (514) 334-0872

- **Information department:** Customer support.

- **Emergency telephone number:** See item 16

### 2 Hazard identification

- **Classification of the substance or mixture**

The product is not classified, according to the Globally Harmonized System (GHS).

- **Label elements**

- **GHS label elements** Void

- **Hazard pictograms** Void

- **Signal word** Void

- **Hazard statements** Void

- **Classification system:**

- **NFPA ratings (scale 0 - 4)**

Health = 0

Fire = 0

Reactivity = 0

- **HMIS-ratings (scale 0 - 4)**

Health = 0

Fire = 0

Reactivity = 0

CDN

(Contd. on page 2)

## Safety Data Sheet

according to HPR, Schedule 1

Printing date 10/27/2020

Reviewed on 07/03/2015

Trade name: Cut off Control (2.5 mL)

(Contd. of page 1)

### 3 Composition/Information on ingredients

- **Chemical characterization: Mixtures**

- **Description:** Mixture containing components at a non hazardous concentration.

- **Dangerous components:** Void

### 4 First-aid measures

- **Description of first aid measures**

- **General information:** No special measures required.

- **After inhalation:** Supply fresh air; consult doctor in case of complaints.

- **After skin contact:** Generally the product does not irritate the skin.

- **After eye contact:** Rinse opened eye for several minutes under running water.

- **After swallowing:** Consult a doctor, if necessary.

- **Information for doctor:**

- **Most important symptoms and effects, both acute and delayed**

No further relevant information available.

- **Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

### 5 Fire-fighting measures

- **Extinguishing media**

- **Suitable extinguishing agents:**

CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray.

- **Special hazards arising from the substance or mixture** No further relevant information available.

- **Advice for firefighters**

- **Protective equipment:** No special measures required.

### 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Wear disposable gloves.

- **Environmental precautions:** Dilute with plenty of water.

- **Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

- **Reference to other sections** No dangerous substances are released.

### 7 Handling and storage

- **Handling:**

- **Precautions for safe handling**

Keep receptacles tightly sealed.

Avoid all contact with reagents, even those considered to be non-hazardous.

(Contd. on page 3)

—CDN—



## Safety Data Sheet

according to HPR, Schedule 1

Printing date 10/27/2020

Reviewed on 07/03/2015

**Trade name: Cut off Control (2.5 mL)**

(Contd. of page 2)

- Follow good laboratory practices.
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
  - **Storage:**
    - **Requirements to be met by storerooms and receptacles:** No special requirements.
    - **Information about storage in one common storage facility:** Not required.
    - **Further information about storage conditions:** None.
- **Specific end use(s)** No further relevant information available.

### 8 Exposure controls/ Personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**
  - **Components with limit values that require monitoring at the workplace:**  
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
  - **Additional information:** The lists that were valid during the creation were used as basis.
- **Personal protective equipment:**
  - **General protective and hygienic measures:**  
The usual precautionary measures for handling chemicals should be followed.
  - **Breathing equipment:** Not required.
  - **Protection of hands:**  
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
  - **Eye protection:** Goggles recommended during refilling.

### 9 Physical and chemical properties

- **Information on basic physical and chemical properties**
  - **General Information**
    - **Appearance:**
      - **Form:** Fluid
      - **Color:** According to product specification
    - **Odor:** Characteristic
  - **Change in condition**
    - **Melting point/Melting range:** Undetermined.
    - **Boiling point/Boiling range:** Undetermined.
  - **Flash point:** Not applicable.
  - **Auto igniting:** Product is not selfigniting.
  - **Danger of explosion:** Product does not present an explosion hazard.
  - **Vapor pressure at 20 °C:** 23 hPa

(Contd. on page 4)

CDN

## Safety Data Sheet

according to HPR, Schedule 1

Printing date 10/27/2020

Reviewed on 07/03/2015

**Trade name: Cut off Control (2.5 mL)**

(Contd. of page 3)

- |   |  |
|---|--|
| · <b>Density:</b>                         | Not determined.                            |
| · <b>Solubility in / Miscibility with</b> |  |
| · <b>Water:</b>                           | Fully miscible.                            |
| · <b>Solvent content:</b>                 |  |
| · <b>Organic solvents:</b>                | 0.0 %                                      |
| · <b>Water:</b>                           | 97.7 %                                     |
| · <b>Other information</b>                | No further relevant information available. |

### 10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
  - **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

### 11 Toxicological information

#### · Information on toxicological effects

##### · Acute toxicity:

##### · LD/LC50 values that are relevant for classification:

#### 26628-22-8 Sodium Azide

Oral	LD50	27 mg/kg (rat)
Dermal	LD50	20 mg/kg (rabbit)

##### · Primary irritant effect:

- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.

##### · Sensitization: No sensitizing effects known.

##### · Additional toxicological information:

The product is not subject to classification according to internally approved calculation methods for preparations:

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

##### · Carcinogenic categories

##### · IARC (International Agency for Research on Cancer)

None of the ingredients is listed.

(Contd. on page 5)

CDN

## Safety Data Sheet

according to HPR, Schedule 1

Printing date 10/27/2020

Reviewed on 07/03/2015

**Trade name: Cut off Control (2.5 mL)**

(Contd. of page 4)

### · NTP (National Toxicology Program)

None of the ingredients is listed.

## 12 Ecological information

- **Toxicity**
  - **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behavior in environmental systems:**
  - **Bioaccumulative potential** No further relevant information available.
  - **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
  - **General notes:** Not hazardous for water.
- **Results of PBT and vPvB assessment**
  - **PBT:** Not applicable.
  - **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

## 13 Disposal considerations

- **Waste treatment methods**
  - **Recommendation:**  
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
  - **Recommendation:** Disposal must be made according to official regulations.
  - **Recommended cleansing agent:** Water, if necessary with cleansing agents.

## 14 Transport information

- |                                     |      |
|-------------------------------------|------|
| · <b>UN-Number</b>                  |      |
| · DOT/TDG, ADR, ADN, IMDG, IATA     | Void |
| · <b>UN proper shipping name</b>    |      |
| · DOT/TDG, ADR, ADN, IMDG, IATA     | Void |
| · <b>Transport hazard class(es)</b> |      |
| · DOT, ADR, ADN, IMDG, IATA         |      |
| · Class                             | Void |
| · <b>Packing group</b>              |      |
| · DOT/TDG, ADR, IMDG, IATA          | Void |

(Contd. on page 6)

CDN

## Safety Data Sheet

according to HPR, Schedule 1

Printing date 10/27/2020

Reviewed on 07/03/2015

**Trade name: Cut off Control (2.5 mL)**

(Contd. of page 5)

· <b>Environmental hazards:</b>	
· <b>Marine pollutant:</b>	No
· <b>Special precautions for user</b>	Not applicable.
· <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.
· <b>Transport/Additional information:</b>	Not dangerous according to the above specifications.
· <b>UN "Model Regulation":</b>	Void

### 15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Sara**

#### · **Section 355 (extremely hazardous substances):**

26628-22-8 Sodium Azide

#### · **Section 313 (Specific toxic chemical listings):**

26628-22-8 Sodium Azide

#### · **TSCA (Toxic Substances Control Act):**

7647-14-5 sodium chloride

26628-22-8 Sodium Azide

9002-92-0 Ethoxylated lauryl alcohol

7732-18-5 water, distilled, conductivity or of similar purity

#### · **Canadian substance listings:**

##### · **Canadian Domestic Substances List (DSL)**

7647-14-5 sodium chloride

26628-22-8 Sodium Azide

9002-92-0 Ethoxylated lauryl alcohol

7732-18-5 water, distilled, conductivity or of similar purity

##### · **Canadian Ingredient Disclosure list (limit 0.1%)**

None of the ingredients is listed.

##### · **Canadian Ingredient Disclosure list (limit 1%)**

None of the ingredients is listed.

- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

(Contd. on page 7)

**Safety Data Sheet**  
according to HPR, Schedule 1

Printing date 10/27/2020

Reviewed on 07/03/2015

**Trade name: Cut off Control (2.5 mL)**

(Contd. of page 6)

**· Department issuing SDS:**

MSDS / FDS Administr.  
Bio-Rad  
Marnes-la-Coquette, France

**· Contact:**

Customer Support  
Phone : +33 (0)1 47 95 62 77

**CANADA**

Bio-Rad laboratories (Canada) Ltd.,  
2403 Guénette Montreal,  
Montreal (Québec) H4R 2E9

Phone : (800) 361-1808

Fax : (514) 334-0872

**· Abbreviations and acronyms:**

IMDG: International Maritime Code for Dangerous Goods  
DOT: US Department of Transportation  
IATA: International Air Transport Association  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
NFPA: National Fire Protection Association (USA)  
HMIS: Hazardous Materials Identification System (USA)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative

—CDN—

## Safety Data Sheet

according to HPR, Schedule 1

Printing date 10/27/2020

Reviewed on 07/03/2015

### 1 Identification

- **Product identifier**

- **Trade name:** Positive Control (1.6 mL)

- **Article number:** 72683 R4b

- **Application of the substance / the mixture** In vitro diagnostic medical device or component.

- **Details of the supplier of the safety data sheet**

- **Manufacturer/Supplier:**

Bio-Rad  
3 boulevard Raymond-Poincaré  
92430 Marnes-la-Coquette  
Phone: +33 (0)1 47 95 60 00  
Fax: +33 (0)1 47 41 91 33  
e-mail: fds-msds.fr@bio-rad.com

Bio-Rad laboratories (Canada) Ltd.  
2403 Guénette Montreal,  
Montréal (Québec) H4R 2E9  
Phone: (800) 361-1808  
Fax: (514) 334-0872

- **Information department:** Customer support.

- **Emergency telephone number:** See item 16

### 2 Hazard identification

- **Classification of the substance or mixture**

The product is not classified, according to the Globally Harmonized System (GHS).

- **Label elements**

- **GHS label elements** Void

- **Hazard pictograms** Void

- **Signal word** Void

- **Hazard statements** Void

- **Classification system:**

- **NFPA ratings (scale 0 - 4)**

Health = 0

Fire = 0

Reactivity = 0

- **HMIS-ratings (scale 0 - 4)**

Health = 0

Fire = 0

Reactivity = 0

CDN

(Contd. on page 2)

## Safety Data Sheet

according to HPR, Schedule 1

Printing date 10/27/2020

Reviewed on 07/03/2015

Trade name: Positive Control (1.6 mL)

(Contd. of page 1)

### 3 Composition/Information on ingredients

- **Chemical characterization: Mixtures**

- **Description:** Mixture containing components at a non hazardous concentration.

- **Dangerous components:** Void

### 4 First-aid measures

- **Description of first aid measures**

- **General information:** No special measures required.

- **After inhalation:** Supply fresh air; consult doctor in case of complaints.

- **After skin contact:** Generally the product does not irritate the skin.

- **After eye contact:** Rinse opened eye for several minutes under running water.

- **After swallowing:** Consult a doctor, if necessary.

- **Information for doctor:**

- **Most important symptoms and effects, both acute and delayed**

No further relevant information available.

- **Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

### 5 Fire-fighting measures

- **Extinguishing media**

- **Suitable extinguishing agents:**

CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray.

- **Special hazards arising from the substance or mixture** No further relevant information available.

- **Advice for firefighters**

- **Protective equipment:** No special measures required.

### 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Wear disposable gloves.

- **Environmental precautions:** Dilute with plenty of water.

- **Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

- **Reference to other sections** No dangerous substances are released.

### 7 Handling and storage

- **Handling:**

- **Precautions for safe handling**

Keep receptacles tightly sealed.

Avoid all contact with reagents, even those considered to be non-hazardous.

(Contd. on page 3)

—CDN—

## Safety Data Sheet

according to HPR, Schedule 1

Printing date 10/27/2020

Reviewed on 07/03/2015

**Trade name: Positive Control (1.6 mL)**

(Contd. of page 2)

- Follow good laboratory practices.
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
  - **Storage:**
    - **Requirements to be met by storerooms and receptacles:** No special requirements.
    - **Information about storage in one common storage facility:** Not required.
    - **Further information about storage conditions:** None.
- **Specific end use(s)** No further relevant information available.

### 8 Exposure controls/ Personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**
  - **Components with limit values that require monitoring at the workplace:**  
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
  - **Additional information:** The lists that were valid during the creation were used as basis.
- **Personal protective equipment:**
  - **General protective and hygienic measures:**  
The usual precautionary measures for handling chemicals should be followed.
  - **Breathing equipment:** Not required.
  - **Protection of hands:**  
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
  - **Eye protection:** Goggles recommended during refilling.

### 9 Physical and chemical properties

- **Information on basic physical and chemical properties**
  - **General Information**
    - **Appearance:**
      - **Form:** Fluid
      - **Color:** According to product specification
    - **Odor:** Characteristic
  - **Change in condition**
    - **Melting point/Melting range:** Undetermined.
    - **Boiling point/Boiling range:** Undetermined.
  - **Flash point:** Not applicable.
  - **Auto igniting:** Product is not selfigniting.
  - **Danger of explosion:** Product does not present an explosion hazard.
  - **Vapor pressure at 20 °C:** 23 hPa

(Contd. on page 4)

CDN



## Safety Data Sheet

according to HPR, Schedule 1

Printing date 10/27/2020

Reviewed on 07/03/2015

**Trade name: Positive Control (1.6 mL)**

(Contd. of page 3)

- |   |  |
|---|--|
| · <b>Density:</b>                         | Not determined.                            |
| · <b>Solubility in / Miscibility with</b> |  |
| · <b>Water:</b>                           | Fully miscible.                            |
| · <b>Solvent content:</b>                 |  |
| · <b>Organic solvents:</b>                | 0.0 %                                      |
| · <b>Water:</b>                           | 97.7 %                                     |
| · <b>Other information</b>                | No further relevant information available. |

### 10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
  - **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

### 11 Toxicological information

#### · Information on toxicological effects

##### · Acute toxicity:

##### · LD/LC50 values that are relevant for classification:

#### 26628-22-8 Sodium Azide

Oral	LD50	27 mg/kg (rat)
Dermal	LD50	20 mg/kg (rabbit)

##### · Primary irritant effect:

- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.

##### · Sensitization:

No sensitizing effects known.

##### · Additional toxicological information:

The product is not subject to classification according to internally approved calculation methods for preparations:

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

##### · Carcinogenic categories

##### · IARC (International Agency for Research on Cancer)

None of the ingredients is listed.

(Contd. on page 5)

CDN

## Safety Data Sheet

according to HPR, Schedule 1

Printing date 10/27/2020

Reviewed on 07/03/2015

**Trade name: Positive Control (1.6 mL)**

(Contd. of page 4)

### · NTP (National Toxicology Program)

None of the ingredients is listed.

## 12 Ecological information

- **Toxicity**
  - **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behavior in environmental systems:**
  - **Bioaccumulative potential** No further relevant information available.
  - **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
  - **General notes:** Not hazardous for water.
- **Results of PBT and vPvB assessment**
  - **PBT:** Not applicable.
  - **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

## 13 Disposal considerations

- **Waste treatment methods**
  - **Recommendation:**  
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
  - **Recommendation:** Disposal must be made according to official regulations.
  - **Recommended cleansing agent:** Water, if necessary with cleansing agents.

## 14 Transport information

- |                                     |      |
|-------------------------------------|------|
| · <b>UN-Number</b>                  |      |
| · DOT/TDG, ADR, ADN, IMDG, IATA     | Void |
| · <b>UN proper shipping name</b>    |      |
| · DOT/TDG, ADR, ADN, IMDG, IATA     | Void |
| · <b>Transport hazard class(es)</b> |      |
| · DOT, ADR, ADN, IMDG, IATA         |      |
| · Class                             | Void |
| · <b>Packing group</b>              |      |
| · DOT/TDG, ADR, IMDG, IATA          | Void |

(Contd. on page 6)

CDN

## Safety Data Sheet

according to HPR, Schedule 1

Printing date 10/27/2020

Reviewed on 07/03/2015

**Trade name: Positive Control (1.6 mL)**

(Contd. of page 5)

· <b>Environmental hazards:</b>	
· <b>Marine pollutant:</b>	No
· <b>Special precautions for user</b>	Not applicable.
· <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.
· <b>Transport/Additional information:</b>	Not dangerous according to the above specifications.
· <b>UN "Model Regulation":</b>	Void

### 15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Sara**

#### · **Section 355 (extremely hazardous substances):**

26628-22-8 Sodium Azide

#### · **Section 313 (Specific toxic chemical listings):**

26628-22-8 Sodium Azide

#### · **TSCA (Toxic Substances Control Act):**

7647-14-5 sodium chloride

26628-22-8 Sodium Azide

9002-92-0 Ethoxylated lauryl alcohol

7732-18-5 water, distilled, conductivity or of similar purity

#### · **Canadian substance listings:**

##### · **Canadian Domestic Substances List (DSL)**

7647-14-5 sodium chloride

26628-22-8 Sodium Azide

9002-92-0 Ethoxylated lauryl alcohol

7732-18-5 water, distilled, conductivity or of similar purity

##### · **Canadian Ingredient Disclosure list (limit 0.1%)**

None of the ingredients is listed.

##### · **Canadian Ingredient Disclosure list (limit 1%)**

None of the ingredients is listed.

- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

(Contd. on page 7)

CDN

**Safety Data Sheet**  
according to HPR, Schedule 1

Printing date 10/27/2020

Reviewed on 07/03/2015

**Trade name: Positive Control (1.6 mL)**

(Contd. of page 6)

**· Department issuing SDS:**

MSDS / FDS Administr.  
Bio-Rad  
Marnes-la-Coquette, France

**· Contact:**

Customer Support  
Phone : +33 (0)1 47 95 62 77

**CANADA**

Bio-Rad laboratories (Canada) Ltd.,  
2403 Guénette Montreal,  
Montreal (Québec) H4R 2E9

Phone : (800) 361-1808

Fax : (514) 334-0872

**· Abbreviations and acronyms:**

IMDG: International Maritime Code for Dangerous Goods  
DOT: US Department of Transportation  
IATA: International Air Transport Association  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
NFPA: National Fire Protection Association (USA)  
HMIS: Hazardous Materials Identification System (USA)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative

—CDN—

## Safety Data Sheet

according to HPR, Schedule 1

Printing date 10/27/2020

Reviewed on 07/03/2015

### 1 Identification

- **Product identifier**

- **Trade name:** Lyophilized Antigen

- **Article number:** 72683 R6a

- **Application of the substance / the mixture** In vitro diagnostic medical device or component.

- **Details of the supplier of the safety data sheet**

- **Manufacturer/Supplier:**

Bio-Rad  
3 boulevard Raymond-Poincaré  
92430 Marnes-la-Coquette  
Phone: +33 (0)1 47 95 60 00  
Fax: +33 (0)1 47 41 91 33  
e-mail: fds-msds.fr@bio-rad.com

Bio-Rad laboratories (Canada) Ltd.  
2403 Guénette Montreal,  
Montréal (Québec) H4R 2E9  
Phone: (800) 361-1808  
Fax: (514) 334-0872

- **Information department:** Customer support.

- **Emergency telephone number:** See item 16

### 2 Hazard identification

- **Classification of the substance or mixture**

The product is not classified, according to the Globally Harmonized System (GHS).

- **Label elements**

- **GHS label elements** Void

- **Hazard pictograms** Void

- **Signal word** Void

- **Hazard statements** Void

- **Classification system:**

- **NFPA ratings (scale 0 - 4)**

Health = 0

Fire = 0

Reactivity = 0

- **HMIS-ratings (scale 0 - 4)**

Health = 0

Fire = 0

Reactivity = 0

CDN

(Contd. on page 2)

## Safety Data Sheet

according to HPR, Schedule 1

Printing date 10/27/2020

Reviewed on 07/03/2015

Trade name: Lyophilized Antigen

(Contd. of page 1)

### 3 Composition/Information on ingredients

- **Chemical characterization: Mixtures**
  - **Description:** Mixture without a chemical hazard.
  - **Dangerous components:** Void

### 4 First-aid measures

- **Description of first aid measures**
  - **General information:** No special measures required.
  - **After inhalation:** Supply fresh air; consult doctor in case of complaints.
  - **After skin contact:** Generally the product does not irritate the skin.
  - **After eye contact:** Rinse opened eye for several minutes under running water.
  - **After swallowing:** Consult a doctor, if necessary.
- **Information for doctor:**
  - **Most important symptoms and effects, both acute and delayed**  
No further relevant information available.
  - **Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### 5 Fire-fighting measures

- **Extinguishing media**
  - **Suitable extinguishing agents:**  
CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
  - **Protective equipment:** No special measures required.

### 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Wear disposable gloves.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:** Pick up mechanically.
- **Reference to other sections** No dangerous substances are released.

### 7 Handling and storage

- **Handling:**
  - **Precautions for safe handling**  
Prevent formation of dust.  
Avoid all contact with reagents, even those considered to be non-hazardous.  
Follow good laboratory practices.

(Contd. on page 3)

CDN

## Safety Data Sheet

according to HPR, Schedule 1

Printing date 10/27/2020

Reviewed on 07/03/2015

**Trade name: Lyophilized Antigen**

(Contd. of page 2)

- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
  - **Storage:**
    - **Requirements to be met by storerooms and receptacles:** No special requirements.
    - **Information about storage in one common storage facility:** Not required.
    - **Further information about storage conditions:** None.
- **Specific end use(s)** No further relevant information available.

### 8 Exposure controls/ Personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**
  - **Components with limit values that require monitoring at the workplace:**  
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
    - **Additional information:** The lists that were valid during the creation were used as basis.
- **Personal protective equipment:**
  - **General protective and hygienic measures:**  
The usual precautionary measures for handling chemicals should be followed.
  - **Breathing equipment:** Not required.
  - **Protection of hands:**  
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
  - **Eye protection:** Not required.

### 9 Physical and chemical properties

- **Information on basic physical and chemical properties**
  - **General Information**
    - **Appearance:**
      - **Form:** Powder
      - **Color:** According to product specification
      - **Odor:** Characteristic
- **Change in condition**
  - **Melting point/Melting range:** Undetermined.
  - **Boiling point/Boiling range:** Undetermined.
- **Flash point:** Not applicable.
- **Auto igniting:** Product is not selfigniting.
- **Danger of explosion:** Product does not present an explosion hazard.
- **Density:** Not determined.

(Contd. on page 4)

CDN

## Safety Data Sheet

according to HPR, Schedule 1

Printing date 10/27/2020

Reviewed on 07/03/2015

**Trade name: Lyophilized Antigen**

(Contd. of page 3)

**Solubility in / Miscibility with**
**Water:** Soluble.

**Solvent content:**
**Organic solvents:** 0.0 %

**Other information** No further relevant information available.

### 10 Stability and reactivity

**Reactivity** No further relevant information available.

**Chemical stability**
**Thermal decomposition / conditions to be avoided:**

No decomposition if used according to specifications.

**Possibility of hazardous reactions** No dangerous reactions known.

**Conditions to avoid** No further relevant information available.

**Incompatible materials:** No further relevant information available.

**Hazardous decomposition products:** No dangerous decomposition products known.

### 11 Toxicological information

**Information on toxicological effects**
**Acute toxicity:**
**Primary irritant effect:**
**on the skin:** No irritant effect.

**on the eye:** No irritating effect.

**Sensitization:** No sensitizing effects known.

**Additional toxicological information:**

The product is not subject to classification according to internally approved calculation methods for preparations:

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

**Carcinogenic categories**
**IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

**NTP (National Toxicology Program)**

None of the ingredients is listed.

### 12 Ecological information

**Toxicity**
**Aquatic toxicity:** No further relevant information available.

**Persistence and degradability** No further relevant information available.

(Contd. on page 5)

CDN



## Safety Data Sheet

according to HPR, Schedule 1

Printing date 10/27/2020

Reviewed on 07/03/2015

**Trade name: Lyophilized Antigen**

(Contd. of page 4)

- **Behavior in environmental systems:**
  - **Bioaccumulative potential** No further relevant information available.
  - **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
  - **General notes:**

Water hazard class 1 (Self-assessment): slightly hazardous for water  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **Results of PBT and vPvB assessment**
  - **PBT:** Not applicable.
  - **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

### 13 Disposal considerations

- **Waste treatment methods**
  - **Recommendation:**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
  - **Recommendation:** Disposal must be made according to official regulations.
  - **Recommended cleansing agent:** Water, if necessary with cleansing agents.

### 14 Transport information

· <b>UN-Number</b>	
· DOT/TDG, ADR, ADN, IMDG, IATA	Void
· <b>UN proper shipping name</b>	
· DOT/TDG, ADR, ADN, IMDG, IATA	Void
· <b>Transport hazard class(es)</b>	
· DOT, ADR, ADN, IMDG, IATA	
· Class	Void
· <b>Packing group</b>	
· DOT/TDG, ADR, IMDG, IATA	Void
· <b>Environmental hazards:</b>	
· <b>Marine pollutant:</b>	No
· <b>Special precautions for user</b>	Not applicable.
· <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.
· <b>Transport/Additional information:</b>	Not dangerous according to the above specifications.

(Contd. on page 6)

CDN

## Safety Data Sheet

according to HPR, Schedule 1

Printing date 10/27/2020

Reviewed on 07/03/2015

**Trade name: Lyophilized Antigen**

(Contd. of page 5)

· <b>UN "Model Regulation":</b>	Void
---------------------------------	------

### 15 Regulatory information

· **Safety, health and environmental regulations/legislation specific for the substance or mixture**

· **Sara**

· **Section 355 (extremely hazardous substances):**

None of the ingredient is listed.

· **Section 313 (Specific toxic chemical listings):**

None of the ingredients is listed.

· **TSCA (Toxic Substances Control Act):**

63-42-3 | Lactose

· **Canadian substance listings:**

· **Canadian Domestic Substances List (DSL)**

None of the ingredients is listed.

· **Canadian Ingredient Disclosure list (limit 0.1%)**

None of the ingredients is listed.

· **Canadian Ingredient Disclosure list (limit 1%)**

None of the ingredients is listed.

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Department issuing SDS:**

MSDS / FDS Administr.

Bio-Rad

Marnes-la-Coquette, France

· **Contact:**

Customer Support

Phone : +33 (0)1 47 95 62 77

CANADA

Bio-Rad laboratories (Canada) Ltd.,

2403 Guénette Montreal,

Montreal (Québec) H4R 2E9

Phone : (800) 361-1808

Fax : (514) 334-0872

· **Abbreviations and acronyms:**

IMDG: International Maritime Code for Dangerous Goods

(Contd. on page 7)

CDN

**Safety Data Sheet**  
according to HPR, Schedule 1

Printing date 10/27/2020

Reviewed on 07/03/2015

**Trade name: Lyophilized Antigen**

DOT: US Department of Transportation  
IATA: International Air Transport Association  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
NFPA: National Fire Protection Association (USA)  
HMIS: Hazardous Materials Identification System (USA)  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative

(Contd. of page 6)

CDN

## Safety Data Sheet

according to HPR, Schedule 1

Printing date 10/27/2020

Reviewed on 07/03/2015

### 1 Identification

- **Product identifier**

- **Trade name:** Conjugate (18 mL)

- **Article number:** 72683 R6b

- **Application of the substance / the mixture** In vitro diagnostic medical device or component.

- **Details of the supplier of the safety data sheet**

- **Manufacturer/Supplier:**

Bio-Rad  
3 boulevard Raymond-Poincaré  
92430 Marnes-la-Coquette  
Phone: +33 (0)1 47 95 60 00  
Fax: +33 (0)1 47 41 91 33  
e-mail: fds-msds.fr@bio-rad.com

Bio-Rad laboratories (Canada) Ltd.  
2403 Guénette Montreal,  
Montréal (Québec) H4R 2E9  
Phone: (800) 361-1808  
Fax: (514) 334-0872

- **Information department:** Customer support.

- **Emergency telephone number:** See item 16

### 2 Hazard identification

- **Classification of the substance or mixture**

The product is not classified, according to the Globally Harmonized System (GHS).

- **Label elements**

- **GHS label elements** Void

- **Hazard pictograms** Void

- **Signal word** Void

- **Hazard statements** Void

- **Classification system:**

- **NFPA ratings (scale 0 - 4)**

Health = 0

Fire = 0

Reactivity = 0

- **HMIS-ratings (scale 0 - 4)**

Health = 0

Fire = 0

Reactivity = 0

CDN

(Contd. on page 2)

## Safety Data Sheet

according to HPR, Schedule 1

Printing date 10/27/2020

Reviewed on 07/03/2015

Trade name: Conjugate (18 mL)

(Contd. of page 1)

### 3 Composition/Information on ingredients

- **Chemical characterization: Mixtures**

- **Description:** Mixture containing components at a non hazardous concentration.

- **Dangerous components:** Void

### 4 First-aid measures

- **Description of first aid measures**

- **General information:** No special measures required.

- **After inhalation:** Supply fresh air; consult doctor in case of complaints.

- **After skin contact:** Generally the product does not irritate the skin.

- **After eye contact:** Rinse opened eye for several minutes under running water.

- **After swallowing:** Consult a doctor, if necessary.

- **Information for doctor:**

- **Most important symptoms and effects, both acute and delayed**

No further relevant information available.

- **Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

### 5 Fire-fighting measures

- **Extinguishing media**

- **Suitable extinguishing agents:**

CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray.

- **Special hazards arising from the substance or mixture** No further relevant information available.

- **Advice for firefighters**

- **Protective equipment:** No special measures required.

### 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Wear disposable gloves.

- **Environmental precautions:**

Dilute with plenty of water.

Do not allow to enter sewers/ surface or ground water.

- **Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

- **Reference to other sections** No dangerous substances are released.

CDN

(Contd. on page 3)

## Safety Data Sheet

according to HPR, Schedule 1

Printing date 10/27/2020

Reviewed on 07/03/2015

**Trade name: Conjugate (18 mL)**

(Contd. of page 2)

### 7 Handling and storage

- **Handling:**
  - **Precautions for safe handling**  
Keep receptacles tightly sealed.  
Avoid all contact with reagents, even those considered to be non-hazardous.  
Follow good laboratory practices.
  - **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
  - **Storage:**
    - **Requirements to be met by storerooms and receptacles:** No special requirements.
    - **Information about storage in one common storage facility:** Not required.
    - **Further information about storage conditions:** None.
- **Specific end use(s)** No further relevant information available.

### 8 Exposure controls/ Personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**
  - **Components with limit values that require monitoring at the workplace:**  
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
    - **Additional information:** The lists that were valid during the creation were used as basis.
- **Personal protective equipment:**
  - **General protective and hygienic measures:**  
The usual precautionary measures for handling chemicals should be followed.
  - **Breathing equipment:** Not required.
  - **Protection of hands:**  
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
  - **Eye protection:** Goggles recommended during refilling.

### 9 Physical and chemical properties

- **Information on basic physical and chemical properties**
  - **General Information**
    - **Appearance:**
      - **Form:** Fluid
      - **Color:** According to product specification
    - **Odor:** Characteristic
  - **Change in condition**
    - **Melting point/Melting range:** Undetermined.
    - **Boiling point/Boiling range:** Undetermined.

(Contd. on page 4)

CDN

## Safety Data Sheet

according to HPR, Schedule 1

Printing date 10/27/2020

Reviewed on 07/03/2015

**Trade name: Conjugate (18 mL)**

(Contd. of page 3)

· <b>Flash point:</b>	Not applicable.
· <b>Auto igniting:</b>	Product is not selfigniting.
· <b>Danger of explosion:</b>	Product does not present an explosion hazard.
· <b>Density:</b>	Not determined.
· <b>Solubility in / Miscibility with</b>	
· <b>Water:</b>	Fully miscible.
· <b>Solvent content:</b>	
· <b>Organic solvents:</b>	0.1 %
· <b>Other information</b>	No further relevant information available.

### 10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
  - **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

### 11 Toxicological information

- **Information on toxicological effects**
  - **Acute toxicity:**
    - **Primary irritant effect:**
      - **on the skin:** No irritant effect.
      - **on the eye:** No irritating effect.
    - **Sensitization:** No sensitizing effects known.
  - **Additional toxicological information:**  
The product is not subject to classification according to internally approved calculation methods for preparations:  
When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.
  - **Carcinogenic categories**

· <b>IARC (International Agency for Research on Cancer)</b>	
108-95-2 phenol	3

(Contd. on page 5)

CDN

## Safety Data Sheet

according to HPR, Schedule 1

Printing date 10/27/2020

Reviewed on 07/03/2015

**Trade name: Conjugate (18 mL)**

(Contd. of page 4)

### · NTP (National Toxicology Program)

None of the ingredients is listed.

## 12 Ecological information

- **Toxicity**
  - **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behavior in environmental systems:**
  - **Bioaccumulative potential** No further relevant information available.
  - **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
  - **General notes:**
    - Water hazard class 2 (Self-assessment): hazardous for water
    - Do not allow product to reach ground water, water course or sewage system.
    - Danger to drinking water if even small quantities leak into the ground.
- **Results of PBT and vPvB assessment**
  - **PBT:** Not applicable.
  - **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

## 13 Disposal considerations

- **Waste treatment methods**
  - **Recommendation:**
    - Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
  - **Recommendation:** Disposal must be made according to official regulations.
  - **Recommended cleansing agent:** Water, if necessary with cleansing agents.

## 14 Transport information

- |                                     |      |
|-------------------------------------|------|
| · <b>UN-Number</b>                  |      |
| · DOT/TDG, ADR, ADN, IMDG, IATA     | Void |
| · <b>UN proper shipping name</b>    |      |
| · DOT/TDG, ADR, ADN, IMDG, IATA     | Void |
| · <b>Transport hazard class(es)</b> |      |
| · DOT, ADR, ADN, IMDG, IATA         |      |
| · Class                             | Void |

(Contd. on page 6)

CDN



## Safety Data Sheet

according to HPR, Schedule 1

Printing date 10/27/2020

Reviewed on 07/03/2015

**Trade name: Conjugate (18 mL)**

(Contd. of page 5)

· <b>Packing group</b>	
· DOT/TDG, ADR, IMDG, IATA	Void
· <b>Environmental hazards:</b>	
· Marine pollutant:	No
· <b>Special precautions for user</b>	Not applicable.
· <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.
· <b>Transport/Additional information:</b>	Not dangerous according to the above specifications.
· <b>UN "Model Regulation":</b>	Void

### 15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- Sara

#### · Section 355 (extremely hazardous substances):

108-95-2 phenol

#### · Section 313 (Specific toxic chemical listings):

108-95-2 phenol

#### · TSCA (Toxic Substances Control Act):

Bronidox

7647-14-5 sodium chloride

9002-92-0 Ethoxylated lauryl alcohol

108-95-2 phenol

143-74-8 Phenol Red

#### · Canadian substance listings:

##### · Canadian Domestic Substances List (DSL)

Bronidox

7647-14-5 sodium chloride

9002-92-0 Ethoxylated lauryl alcohol

108-95-2 phenol

143-74-8 Phenol Red

##### · Canadian Ingredient Disclosure list (limit 0.1%)

None of the ingredients is listed.

##### · Canadian Ingredient Disclosure list (limit 1%)

None of the ingredients is listed.

(Contd. on page 7)

CDN

**Safety Data Sheet**  
according to HPR, Schedule 1

Printing date 10/27/2020

Reviewed on 07/03/2015

**Trade name: Conjugate (18 mL)**

(Contd. of page 6)

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

**16 Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Department issuing SDS:**

MSDS / FDS Administr.

Bio-Rad

Marnes-la-Coquette, France

· **Contact:**

Customer Support

Phone : +33 (0)1 47 95 62 77

CANADA

Bio-Rad laboratories (Canada) Ltd.,

2403 Guénette Montreal,

Montreal (Québec) H4R 2E9

Phone : (800) 361-1808

Fax : (514) 334-0872

· **Abbreviations and acronyms:**

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

## Safety Data Sheet

according to HPR, Schedule 1

Printing date 10/27/2020

Reviewed on 07/03/2015

### 1 Identification

- **Product identifier**

- **Trade name: Diluent 2 (100 mL)**

- **Article number:**

- 72680 SAMP DIL
    - 72681 SAMP DIL
    - 72682 SAMP DIL
    - 72683 SAMP DIL
    - 72684 SAMP DIL
    - 72685 SAMP DIL
    - 72686 SAMP DIL
    - 72687 SAMP DIL
    - 72688 SAMP DIL
    - 72689 SAMP DIL

- **Application of the substance / the mixture** In vitro diagnostic medical device or component.

- **Details of the supplier of the safety data sheet**

- **Manufacturer/Supplier:**

- Bio-Rad  
3 boulevard Raymond-Poincaré  
92430 Marnes-la-Coquette  
Phone: +33 (0)1 47 95 60 00  
Fax: +33 (0)1 47 41 91 33  
e-mail: fds-msds.fr@bio-rad.com

- Bio-Rad laboratories (Canada) Ltd.  
2403 Guénette Montreal,  
Montréal (Québec) H4R 2E9  
Phone: (800) 361-1808  
Fax: (514) 334-0872

- **Information department:** Customer support.

- **Emergency telephone number:** See item 16

### 2 Hazard identification

- **Classification of the substance or mixture**

The product is not classified, according to the Globally Harmonized System (GHS).

- **Label elements**

- **GHS label elements** Void

- **Hazard pictograms** Void

- **Signal word** Void

- **Hazard statements** Void

- **Classification system:**

- **NFPA ratings (scale 0 - 4)**

- Health = 0

- Fire = 0

- Reactivity = 0

(Contd. on page 2)

CDN

**Safety Data Sheet**  
according to HPR, Schedule 1

Printing date 10/27/2020

Reviewed on 07/03/2015

**Trade name: Diluent 2 (100 mL)**· **HMIS-ratings (scale 0 - 4)**

Health = 0

Fire = 0

Reactivity = 0

(Contd. of page 1)

**3 Composition/Information on ingredients**· **Chemical characterization: Mixtures**· **Description:** Mixture containing components at a non hazardous concentration.· **Dangerous components:** Void**4 First-aid measures**· **Description of first aid measures**· **General information:** No special measures required.· **After inhalation:** Supply fresh air; consult doctor in case of complaints.· **After skin contact:** Immediately wash with water and soap and rinse thoroughly.· **After eye contact:** Rinse opened eye for several minutes under running water.· **After swallowing:** Consult a doctor, if necessary.· **Information for doctor:**· **Most important symptoms and effects, both acute and delayed**

No further relevant information available.

· **Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

**5 Fire-fighting measures**· **Extinguishing media**· **Suitable extinguishing agents:**

Use fire fighting measures that suit the environment.

CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray.· **Special hazards arising from the substance or mixture** No further relevant information available.· **Advice for firefighters**· **Protective equipment:** No special measures required.**6 Accidental release measures**· **Personal precautions, protective equipment and emergency procedures** Wear disposable gloves.· **Environmental precautions:** Do not allow product to reach sewage system or any water course.· **Methods and material for containment and cleaning up:**

Absorb liquid components with liquid-binding material.

(Contd. on page 3)

—CDN—

## Safety Data Sheet

according to HPR, Schedule 1

Printing date 10/27/2020

Reviewed on 07/03/2015

**Trade name: Diluent 2 (100 mL)**

(Contd. of page 2)

- **Reference to other sections** No dangerous substances are released.

### 7 Handling and storage

- **Handling:**
  - **Precautions for safe handling**  
Avoid all contact with reagents, even those considered to be non-hazardous.  
Follow good laboratory practices.
  - **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
  - **Storage:**
    - **Requirements to be met by storerooms and receptacles:** No special requirements.
    - **Information about storage in one common storage facility:** Not required.
    - **Further information about storage conditions:** None.
- **Specific end use(s)** No further relevant information available.

### 8 Exposure controls/ Personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**
  - **Components with limit values that require monitoring at the workplace:**  
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
    - **Additional information:** The lists that were valid during the creation were used as basis.
- **Personal protective equipment:**
  - **General protective and hygienic measures:**  
The usual precautionary measures for handling chemicals should be followed.
  - **Breathing equipment:** Suitable respiratory protective device recommended.
  - **Protection of hands:** Protective gloves
  - **Eye protection:** Safety glasses

### 9 Physical and chemical properties

- **Information on basic physical and chemical properties**
  - **General Information**
    - **Appearance:**
      - **Form:** Fluid
      - **Color:** According to product specification
    - **Odor:** Characteristic
  - **Change in condition**
    - **Melting point/Melting range:** Undetermined.
    - **Boiling point/Boiling range:** Undetermined.

(Contd. on page 4)

CDN

## Safety Data Sheet

according to HPR, Schedule 1

Printing date 10/27/2020

Reviewed on 07/03/2015

**Trade name: Diluent 2 (100 mL)**

(Contd. of page 3)

· <b>Flash point:</b>	Not applicable.
· <b>Danger of explosion:</b>	Product does not present an explosion hazard.
· <b>Density:</b>	Not determined.
· <b>Solubility in / Miscibility with</b>	
· <b>Water:</b>	Fully miscible.
· <b>Other information</b>	No further relevant information available.

### 10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
  - **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

### 11 Toxicological information

- **Information on toxicological effects**
  - **Additional toxicological information:**  
The product is not subject to classification according to internally approved calculation methods for preparations:  
When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.
  - **Carcinogenic categories**

· <b>IARC (International Agency for Research on Cancer)</b>		
108-95-2	phenol	3
· <b>NTP (National Toxicology Program)</b>		
None of the ingredients is listed.		

### 12 Ecological information

- **Toxicity**
  - **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behavior in environmental systems:**
  - **Bioaccumulative potential** No further relevant information available.
  - **Mobility in soil** No further relevant information available.

(Contd. on page 5)

CDN

## Safety Data Sheet

according to HPR, Schedule 1

Printing date 10/27/2020

Reviewed on 07/03/2015

**Trade name: Diluent 2 (100 mL)**

(Contd. of page 4)

- **Additional ecological information:**
  - **General notes:** Avoid transfer into the environment.
- **Results of PBT and vPvB assessment**
  - **PBT:** Not applicable.
  - **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

### 13 Disposal considerations

- **Waste treatment methods**
  - **Recommendation:** Must be specially treated adhering to official regulations.
- **Uncleaned packagings:**
  - **Recommendation:** Disposal must be made according to official regulations.
  - **Recommended cleansing agent:** Water, if necessary with cleansing agents.

### 14 Transport information

· <b>UN-Number</b>	
· DOT/TDG, ADR, ADN, IMDG, IATA	Void
· <b>UN proper shipping name</b>	
· DOT/TDG, ADR, ADN, IMDG, IATA	Void
· <b>Transport hazard class(es)</b>	
· DOT, ADR, ADN, IMDG, IATA	
· Class	Void
· <b>Packing group</b>	
· DOT/TDG, ADR, IMDG, IATA	Void
· <b>Environmental hazards:</b>	
· Marine pollutant:	No
· <b>Special precautions for user</b>	Not applicable.
· <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.
· <b>Transport/Additional information:</b>	Not dangerous according to the above specifications.
· <b>UN "Model Regulation":</b>	Void

CDN

(Contd. on page 6)

## Safety Data Sheet

according to HPR, Schedule 1

Printing date 10/27/2020

Reviewed on 07/03/2015

**Trade name: Diluent 2 (100 mL)**

(Contd. of page 5)

### 15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Sara**

- **Section 355 (extremely hazardous substances):**

108-95-2	phenol
----------	--------

- **Section 313 (Specific toxic chemical listings):**

108-95-2	phenol
----------	--------

- **TSCA (Toxic Substances Control Act):**

	Bronidox
--	----------

108-95-2	phenol
----------	--------

- **Canadian substance listings:**

- **Canadian Domestic Substances List (DSL)**

	Bronidox
--	----------

108-95-2	phenol
----------	--------

- **Canadian Ingredient Disclosure list (limit 0.1%)**

None of the ingredients is listed.	
------------------------------------	--

- **Canadian Ingredient Disclosure list (limit 1%)**

None of the ingredients is listed.	
------------------------------------	--

- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Department issuing SDS:**

MSDS / FDS Administr.

Bio-Rad

Marnes-la-Coquette, France

- **Contact:**

Customer Support

Phone : +33 (0)1 47 95 62 77

CANADA

Bio-Rad laboratories (Canada) Ltd.,

2403 Guénette Montreal,

Montreal (Québec) H4R 2E9

Phone : (800) 361-1808

Fax : (514) 334-0872

- **Abbreviations and acronyms:**

ICAO: International Civil Aviation Organisation

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

(Contd. on page 7)

CDN



**Safety Data Sheet**  
according to HPR, Schedule 1

Printing date 10/27/2020

Reviewed on 07/03/2015

**Trade name: Diluent 2 (100 mL)**

(Contd. of page 6)

IATA: International Air Transport Association  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
NFPA: National Fire Protection Association (USA)  
HMIS: Hazardous Materials Identification System (USA)  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative

—CDN—

## Safety Data Sheet

according to HPR, Schedule 1

Printing date 10/27/2020

Reviewed on 07/03/2015

### 1 Identification

- **Product identifier**

- **Trade name: Substrate (15 mL)**

- **Article number:**

- 72680 SUBS TMB
    - 72681 SUBS TMB
    - 72682 SUBS TMB
    - 72683 SUBS TMB
    - 72684 SUBS TMB
    - 72685 SUBS TMB
    - 72686 SUBS TMB
    - 72687 SUBS TMB
    - 72688 SUBS TMB
    - 72689 SUBS TMB

- **Application of the substance / the mixture** In vitro diagnostic medical device or component.

- **Details of the supplier of the safety data sheet**

- **Manufacturer/Supplier:**

- Bio-Rad  
3 boulevard Raymond-Poincaré  
92430 Marnes-la-Coquette  
Phone: +33 (0)1 47 95 60 00  
Fax: +33 (0)1 47 41 91 33  
e-mail: fds-msds.fr@bio-rad.com

- Bio-Rad laboratories (Canada) Ltd.  
2403 Guénette Montreal,  
Montréal (Québec) H4R 2E9  
Phone: (800) 361-1808  
Fax: (514) 334-0872

- **Information department:** Customer support.

- **Emergency telephone number:** See item 16

### 2 Hazard identification

- **Classification of the substance or mixture**

The product is not classified, according to the Globally Harmonized System (GHS).

- **Label elements**

- **GHS label elements** Void

- **Hazard pictograms** Void

- **Signal word** Void

- **Hazard statements** Void

- **Classification system:**

- **NFPA ratings (scale 0 - 4)**

- Health = 0

- Fire = 0

- Reactivity = 0

(Contd. on page 2)

CDN

## Safety Data Sheet

according to HPR, Schedule 1

Printing date 10/27/2020

Reviewed on 07/03/2015

**Trade name: Substrate (15 mL)****· HMIS-ratings (scale 0 - 4)**

Health = 0

Fire = 0

Reactivity = 0

(Contd. of page 1)

### 3 Composition/Information on ingredients

**· Chemical characterization: Mixtures****· Description:** Mixture containing components at a non hazardous concentration.**· Dangerous components:** Void

### 4 First-aid measures

**· Description of first aid measures****· General information:** No special measures required.**· After inhalation:** Supply fresh air; consult doctor in case of complaints.**· After skin contact:** Immediately wash with water and soap and rinse thoroughly.**· After eye contact:** Rinse opened eye for several minutes under running water.**· After swallowing:** Consult a doctor, if necessary.**· Information for doctor:****· Most important symptoms and effects, both acute and delayed**

No further relevant information available.

**· Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

### 5 Fire-fighting measures

**· Extinguishing media****· Suitable extinguishing agents:**

Use fire fighting measures that suit the environment.

CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray.**· Special hazards arising from the substance or mixture** No further relevant information available.**· Advice for firefighters****· Protective equipment:** No special measures required.

### 6 Accidental release measures

**· Personal precautions, protective equipment and emergency procedures** Wear disposable gloves.**· Environmental precautions:** Do not allow product to reach sewage system or any water course.**· Methods and material for containment and cleaning up:**

Absorb liquid components with liquid-binding material.

(Contd. on page 3)

—CDN—

## Safety Data Sheet

according to HPR, Schedule 1

Printing date 10/27/2020

Reviewed on 07/03/2015

**Trade name: Substrate (15 mL)**

(Contd. of page 2)

- **Reference to other sections** No dangerous substances are released.

### 7 Handling and storage

- **Handling:**
  - **Precautions for safe handling**  
Avoid all contact with reagents, even those considered to be non-hazardous.  
Follow good laboratory practices.
  - **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
  - **Storage:**
    - **Requirements to be met by storerooms and receptacles:** No special requirements.
    - **Information about storage in one common storage facility:** Not required.
    - **Further information about storage conditions:** None.
- **Specific end use(s)** No further relevant information available.

### 8 Exposure controls/ Personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**
  - **Components with limit values that require monitoring at the workplace:**  
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
    - **Additional information:** The lists that were valid during the creation were used as basis.
- **Personal protective equipment:**
  - **General protective and hygienic measures:**  
The usual precautionary measures for handling chemicals should be followed.
  - **Breathing equipment:** Suitable respiratory protective device recommended.
  - **Protection of hands:** Protective gloves
  - **Eye protection:** Safety glasses

### 9 Physical and chemical properties

- **Information on basic physical and chemical properties**
  - **General Information**
    - **Appearance:**
      - **Form:** Fluid
      - **Color:** According to product specification
    - **Odor:** Characteristic
  - **Change in condition**
    - **Melting point/Melting range:** Undetermined.
    - **Boiling point/Boiling range:** Undetermined.

(Contd. on page 4)

CDN

## Safety Data Sheet

according to HPR, Schedule 1

Printing date 10/27/2020

Reviewed on 07/03/2015

**Trade name: Substrate (15 mL)**

(Contd. of page 3)

· <b>Flash point:</b>	Not applicable.
· <b>Danger of explosion:</b>	Product does not present an explosion hazard.
· <b>Density:</b>	Not determined.
· <b>Solubility in / Miscibility with</b>	
· <b>Water:</b>	Fully miscible.
· <b>Other information</b>	No further relevant information available.

### 10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
  - **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

### 11 Toxicological information

- **Information on toxicological effects**
  - **Additional toxicological information:**  
The product is not subject to classification according to internally approved calculation methods for preparations:  
When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.
  - **Carcinogenic categories**

· <b>IARC (International Agency for Research on Cancer)</b>		
7722-84-1	hydrogen peroxide solution	3
· <b>NTP (National Toxicology Program)</b>		
None of the ingredients is listed.		

### 12 Ecological information

- **Toxicity**
  - **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behavior in environmental systems:**
  - **Bioaccumulative potential** No further relevant information available.
  - **Mobility in soil** No further relevant information available.

(Contd. on page 5)

CDN

## Safety Data Sheet

according to HPR, Schedule 1

Printing date 10/27/2020

Reviewed on 07/03/2015

**Trade name: Substrate (15 mL)**

(Contd. of page 4)

- **Additional ecological information:**
  - **General notes:** Avoid transfer into the environment.
- **Results of PBT and vPvB assessment**
  - **PBT:** Not applicable.
  - **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

### 13 Disposal considerations

- **Waste treatment methods**
  - **Recommendation:** Must be specially treated adhering to official regulations.
- **Uncleaned packagings:**
  - **Recommendation:** Disposal must be made according to official regulations.
  - **Recommended cleansing agent:** Water, if necessary with cleansing agents.

### 14 Transport information

· <b>UN-Number</b>	
· DOT/TDG, ADR, ADN, IMDG, IATA	Void
· <b>UN proper shipping name</b>	
· DOT/TDG, ADR, ADN, IMDG, IATA	Void
· <b>Transport hazard class(es)</b>	
· DOT, ADR, ADN, IMDG, IATA	
· Class	Void
· <b>Packing group</b>	
· DOT/TDG, ADR, IMDG, IATA	Void
· <b>Environmental hazards:</b>	
· Marine pollutant:	No
· <b>Special precautions for user</b>	Not applicable.
· <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.
· <b>Transport/Additional information:</b>	Not dangerous according to the above specifications.
· <b>UN "Model Regulation":</b>	Void

CDN

(Contd. on page 6)

## Safety Data Sheet

according to HPR, Schedule 1

Printing date 10/27/2020

Reviewed on 07/03/2015

**Trade name: Substrate (15 mL)**

(Contd. of page 5)

### 15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Sara**

- **Section 355 (extremely hazardous substances):**

7722-84-1	hydrogen peroxide solution
-----------	----------------------------

- **Section 313 (Specific toxic chemical listings):**

None of the ingredients is listed.	
------------------------------------	--

- **TSCA (Toxic Substances Control Act):**

54827-17-7	3,3',5,5'-tetramethylbenzidine
------------	--------------------------------

7722-84-1	hydrogen peroxide solution
-----------	----------------------------

- **Canadian substance listings:**

- **Canadian Domestic Substances List (DSL)**

All ingredients are listed.	
-----------------------------	--

- **Canadian Ingredient Disclosure list (limit 0.1%)**

None of the ingredients is listed.	
------------------------------------	--

- **Canadian Ingredient Disclosure list (limit 1%)**

None of the ingredients is listed.	
------------------------------------	--

- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Department issuing SDS:**

MSDS / FDS Administr.

Bio-Rad

Marnes-la-Coquette, France

- **Contact:**

Customer Support

Phone : +33 (0)1 47 95 62 77

CANADA

Bio-Rad laboratories (Canada) Ltd.,

2403 Guénette Montreal,

Montreal (Québec) H4R 2E9

Phone : (800) 361-1808

Fax : (514) 334-0872

- **Abbreviations and acronyms:**

ICAO: International Civil Aviation Organisation

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

(Contd. on page 7)

CDN

**Safety Data Sheet**  
according to HPR, Schedule 1

Printing date 10/27/2020

Reviewed on 07/03/2015

**Trade name: Substrate (15 mL)**

(Contd. of page 6)

ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
NFPA: National Fire Protection Association (USA)  
HMIS: Hazardous Materials Identification System (USA)  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative

CDN



**Safety Data Sheet**  
according to HPR, Schedule 1

Printing date 10/27/2020

Reviewed on 04/29/2016

**1 Identification**· **Product identifier**· **Trade name: Stop Solution (16 mL)**· **Article number:**

72680 STOP SOL.  
72681 STOP SOL.  
72682 STOP SOL.  
72683 STOP SOL.  
72684 STOP SOL.  
72685 STOP SOL.  
72686 STOP SOL.  
72687 STOP SOL.  
72688 STOP SOL.  
72689 STOP SOL.

· **Application of the substance / the mixture** In vitro diagnostic medical device or component.· **Details of the supplier of the safety data sheet**· **Manufacturer/Supplier:**

Bio-Rad  
3 boulevard Raymond-Poincaré  
92430 Marnes-la-Coquette  
Phone: +33 (0)1 47 95 60 00  
Fax: +33 (0)1 47 41 91 33  
e-mail: fds-msds.fr@bio-rad.com

Bio-Rad laboratories (Canada) Ltd.  
2403 Guénette Montreal,  
Montréal (Québec) H4R 2E9  
Phone: (800) 361-1808  
Fax: (514) 334-0872

· **Information department:** Customer support.· **Emergency telephone number:** See item 16**2 Hazard identification**· **Classification of the substance or mixture**

Health hazard

Carcinogenicity - Category 1A      H350 May cause cancer.



Corrosion

Skin Corrosion - Category 1A      H314 Causes severe skin burns and eye damage.

Serious Eye Damage - Category 1      H318 Causes serious eye damage.

(Contd. on page 2)

CDN

## Safety Data Sheet

according to HPR, Schedule 1

Printing date 10/27/2020

Reviewed on 04/29/2016

**Trade name: Stop Solution (16 mL)**

(Contd. of page 1)

### · Label elements

#### · GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS).

· **Hazard pictograms** GHS05, GHS08

· **Signal word** Danger

#### · Hazard-determining components of labeling:

sulphuric acid

#### · Hazard statements

Causes severe skin burns and eye damage.

May cause cancer.

#### · Precautionary statements

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Do not breathe dust/fume/gas/mist/vapours/spray.

Wash thoroughly after handling.

Wear protective gloves/protective clothing/eye protection/face protection.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Immediately call a poison center/doctor.

IF exposed or concerned: Get medical advice/attention.

Specific treatment (see on this label).

Wash contaminated clothing before reuse.

Store locked up.

Dispose of contents/container in accordance with local/regional/national/international regulations.

### · Classification system:

#### · NFPA ratings (scale 0 - 4)

Health = 3

Fire = 0

Reactivity = 0

#### · HMIS-ratings (scale 0 - 4)

Health = \*3

Fire = 0



Reactivity = 0

## 3 Composition/Information on ingredients

### · Chemical characterization: Mixtures

· **Description:** Mixture containing components at a non hazardous concentration.

#### · Dangerous components:

7664-93-9	sulphuric acid  Carcinogenicity - Category 1A, H350  Corrosive to Metals - Category 1, H290; Skin Corrosion - Category 1A, H314	1-5% w/w *
-----------	---	------------

(Contd. on page 3)

CDN

## Safety Data Sheet

according to HPR, Schedule 1

Printing date 10/27/2020

Reviewed on 04/29/2016

**Trade name: Stop Solution (16 mL)**

(Contd. of page 2)

\* Actual concentration ranges are withheld as a trade secret.

### 4 First-aid measures

· **Description of first aid measures**

- **General information:** No special measures required.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** Consult a doctor, if necessary.
- **Information for doctor:**
  - **Most important symptoms and effects, both acute and delayed**  
No further relevant information available.
  - **Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### 5 Fire-fighting measures

· **Extinguishing media**

- **Suitable extinguishing agents:**  
CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray.  
Use fire fighting measures that suit the environment.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
  - **Protective equipment:** No special measures required.

### 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Wear disposable gloves.
- **Environmental precautions:** Do not allow product to reach sewage system or any water course.
- **Methods and material for containment and cleaning up:**  
Absorb liquid components with liquid-binding material.
- **Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

### 7 Handling and storage

· **Handling:**

- **Precautions for safe handling**  
Avoid all contact with reagents, even those considered to be non-hazardous.  
Follow good laboratory practices.

(Contd. on page 4)

CDN

## Safety Data Sheet

according to HPR, Schedule 1

Printing date 10/27/2020

Reviewed on 04/29/2016

**Trade name: Stop Solution (16 mL)**

(Contd. of page 3)

- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
  - **Storage:**
    - **Requirements to be met by storerooms and receptacles:** No special requirements.
    - **Information about storage in one common storage facility:** Not required.
    - **Further information about storage conditions:** None.
- **Specific end use(s)** No further relevant information available.

### 8 Exposure controls/ Personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**

- **Components with limit values that require monitoring at the workplace:**

**7664-93-9 sulphuric acid**

EL Long-term value: 0.2 mg/m<sup>3</sup>  
ACGIH A2; IARC 1

EV Long-term value: 0.2 mg/m<sup>3</sup>

- **Additional information:** The lists that were valid during the creation were used as basis.
- **Personal protective equipment:**
  - **General protective and hygienic measures:**  
The usual precautionary measures for handling chemicals should be followed.
  - **Breathing equipment:** Suitable respiratory protective device recommended.
  - **Protection of hands:** Protective gloves
  - **Eye protection:** Safety glasses

### 9 Physical and chemical properties

- **Information on basic physical and chemical properties**

- **General Information**

- **Appearance:**

- **Form:** Fluid
- **Color:** Colorless
- **Odor:** Weak, characteristic

- **pH-value:** Not determined.

- **Change in condition**

- **Melting point/Melting range:** Undetermined.
- **Boiling point/Boiling range:** Undetermined.

- **Flash point:** Not applicable.

- **Danger of explosion:** Product does not present an explosion hazard.

- **Density:** Not determined.

(Contd. on page 5)

CDN

## Safety Data Sheet

according to HPR, Schedule 1

Printing date 10/27/2020

Reviewed on 04/29/2016

**Trade name: Stop Solution (16 mL)**

(Contd. of page 4)

**Solubility in / Miscibility with**

· **Water:** Fully miscible.

**Solvent content:**

· **Organic solvents:** 0.0 %

· **Water:** 97.1 %

· **Other information** No further relevant information available.

### 10 Stability and reactivity

· **Reactivity** No further relevant information available.

· **Chemical stability**

· **Thermal decomposition / conditions to be avoided:**

No decomposition if used according to specifications.

· **Possibility of hazardous reactions** No dangerous reactions known.

· **Conditions to avoid** No further relevant information available.

· **Incompatible materials:** No further relevant information available.

· **Hazardous decomposition products:** No dangerous decomposition products known.

### 11 Toxicological information

· **Information on toxicological effects**

· **Additional toxicological information:**

The product is not subject to classification according to internally approved calculation methods for preparations:

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

· **Carcinogenic categories**

· **IARC (International Agency for Research on Cancer)**

7664-93-9 sulphuric acid

1

· **NTP (National Toxicology Program)**

7664-93-9 sulphuric acid

K

### 12 Ecological information

· **Toxicity**

· **Aquatic toxicity:** No further relevant information available.

· **Persistence and degradability** No further relevant information available.

· **Behavior in environmental systems:**

· **Bioaccumulative potential** No further relevant information available.

· **Mobility in soil** No further relevant information available.

(Contd. on page 6)

CDN

## Safety Data Sheet

according to HPR, Schedule 1

Printing date 10/27/2020

Reviewed on 04/29/2016

**Trade name: Stop Solution (16 mL)**

(Contd. of page 5)

- **Additional ecological information:**
  - **General notes:** Avoid transfer into the environment.
- **Results of PBT and vPvB assessment**
  - **PBT:** Not applicable.
  - **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

### 13 Disposal considerations

- **Waste treatment methods**
  - **Recommendation:** Must be specially treated adhering to official regulations.
- **Uncleaned packagings:**
  - **Recommendation:** Disposal must be made according to official regulations.
  - **Recommended cleansing agent:** Water, if necessary with cleansing agents.

### 14 Transport information

· <b>UN-Number</b>	
· DOT/TDG, ADR, ADN, IMDG, IATA	Void
· <b>UN proper shipping name</b>	
· DOT/TDG, ADR, ADN, IMDG, IATA	Void
· <b>Transport hazard class(es)</b>	
· DOT, ADR, ADN, IMDG, IATA	
· Class	Void
· <b>Packing group</b>	
· DOT/TDG, ADR, IMDG, IATA	Void
· <b>Environmental hazards:</b>	
· Marine pollutant:	No
· <b>Special precautions for user</b>	Not applicable.
· <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.
· <b>Transport/Additional information:</b>	Not dangerous according to the above specifications.
· <b>UN "Model Regulation":</b>	Void

CDN

(Contd. on page 7)

## Safety Data Sheet

according to HPR, Schedule 1

Printing date 10/27/2020

Reviewed on 04/29/2016

**Trade name: Stop Solution (16 mL)**

(Contd. of page 6)

### 15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Sara**

- **Section 355 (extremely hazardous substances):**

7664-93-9	sulphuric acid
-----------	----------------

- **Section 313 (Specific toxic chemical listings):**

7664-93-9	sulphuric acid
-----------	----------------

- **TSCA (Toxic Substances Control Act):**

7664-93-9	sulphuric acid
-----------	----------------

7732-18-5	water, distilled, conductivity or of similar purity
-----------	---

- **Canadian substance listings:**

- **Canadian Domestic Substances List (DSL)**

All ingredients are listed.
-----------------------------

- **Canadian Ingredient Disclosure list (limit 0.1%)**

None of the ingredients is listed.
------------------------------------

- **Canadian Ingredient Disclosure list (limit 1%)**

7664-93-9	sulphuric acid
-----------	----------------

- **National regulations:**

- **Information about limitation of use:**

Workers are not allowed to be exposed to the hazardous carcinogenic materials contained in this preparation. Exceptions can be made by the authorities in certain cases.

- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Department issuing SDS:**

MSDS / FDS Administr.

Bio-Rad

Marnes-la-Coquette, France

- **Contact:**

Customer Support

Phone : +33 (0)1 47 95 62 77

CANADA

Bio-Rad laboratories (Canada) Ltd.,

2403 Guénette Montreal,

Montreal (Québec) H4R 2E9

Phone : (800) 361-1808

Fax : (514) 334-0872

(Contd. on page 8)

CDN

**Safety Data Sheet**  
according to HPR, Schedule 1

Printing date 10/27/2020

Reviewed on 04/29/2016

**Trade name: Stop Solution (16 mL)**

(Contd. of page 7)

**· Abbreviations and acronyms:**

IMDG: International Maritime Code for Dangerous Goods  
DOT: US Department of Transportation  
IATA: International Air Transport Association  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
NFPA: National Fire Protection Association (USA)  
HMIS: Hazardous Materials Identification System (USA)  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative

CDN