

KIT COMPONENTS

Product name: Platelia HSV (1 + 2) IgG (96 tests)
Product code: 72682

Article number	Description	Quantity Symbols
72682 R1	Microplate	1
72680 WASHBUF	Wash Buffer 10 x (100 mL)	1
72682 R3	IgG Negative Control (1.6 mL)	1
72682 R4a	Cut Off Control (2 mL)	1
72682 R4b	Positive Control (1.6 mL)	1
72682 R6	Conjugate (16 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



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BIO RAD

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 27.10.2020 Version number 2 Revision: 03.07.2015

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

· 1.1 Product identifier

· Trade name: Microplate

· Article number: 72682 R1

 \cdot 1.2 Relevant identified uses of the substance or mixture and uses advised against

No further relevant information available.

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

· 1.3 Details of the supplier of the safety data sheet

· Manufacturer/Supplier:

Bio-Rad

3, Boulevard Raymond Poincaré F-92430 Marnes-la-Coquette

Tel.: +33 (0)1 47 95 60 00 Fax: +33 (0)1 47 41 91 33

e-mail: fds-msds.fr@bio-rad.com

· Further information obtainable from: Customer Support.

· 1.4 Emergency telephone number: See item 16

SECTION 2: Hazards identification

- · 2.1 Classification of the substance or mixture
 - Classification according to Regulation (EC) No 1272/2008

The product is not classified, according to the CLP regulation.

- · 2.2 Label elements
 - · Labelling according to Regulation (EC) No 1272/2008 Void
 - · Hazard pictograms Void
 - · Signal word Void
 - · Hazard statements Void
- · 2.3 Other hazards
 - · Results of PBT and vPvB assessment
 - · **PBT:** Not applicable.
 - · vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

· 3.2 Chemical characterisation: Mixtures

· **Description:** Mixture without a chemical hazard.

· Dangerous components: Void

· Additional information: For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

· 4.1 Description of first aid measures

General information: No special measures required.

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Trade name: Microplate

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

No further relevant information available.

• 4.3 Indication of any immediate medical attention and special treatment needed No further relevant information available.

SECTION 5: Firefighting measures

- · 5.1 Extinguishing media
 - Suitable extinguishing agents: CO2, powder or water spray. Fight larger fires with water spray.
- 5.2 Special hazards arising from the substance or mixture No further relevant information available.
- 5.3 Advice for firefighters
 - · Protective equipment: No special measures required.

SECTION 6: Accidental release measures

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

SECTION 7: Handling and storage

· 7.1 Precautions for safe handling

Prevent formation of dust.

Avoid all contact with reagents, even those considered to be non-hazardous. Follow good laboratory practices.

- · Information about fire and explosion protection: No special measures required.
- · 7.2 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.
- · 7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

· Additional information about design of technical facilities: No further data; see item 7.

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according to 1907/2006/EC, Article 31

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Trade name: Microplate

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· 8.1 Control parameters

Ingredients 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 valid during the making were used as basis.
- · Personal protective equipment:
 - · General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

- · Respiratory protection: 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.

SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· General Information

· Appearance:

· Form: Solid
· Colour: Colourless
· Odour: Odourless

· Change in condition

Melting point/freezing point: Undetermined.
 Initial boiling point and boiling range: Undetermined.

· Flash point: Not applicable.

• Auto-ignition temperature: Product is not selfigniting.

• Explosive properties: Product does not present an explosion hazard.

· **Density:** Not determined.

· Solubility in / Miscibility with

· water: Insoluble.

· Solvent content:

Organic solvents: 0.0 %

• 9.2 Other information No further relevant information available.

SECTION 10: Stability and reactivity

- · 10.1 Reactivity No further relevant information available.
- 10.2 Chemical stability
 - · Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

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Safety data sheet

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Trade name: Microplate

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- · 10.3 Possibility of hazardous reactions No dangerous reactions known.
- · 10.4 Conditions to avoid No further relevant information available.
- · 10.5 Incompatible materials: No further relevant information available.
- · 10.6 Hazardous decomposition products: No dangerous decomposition products known.

SECTION 11: Toxicological information

- · 11.1 Information on toxicological effects
 - · Acute toxicity Based on available data, the classification criteria are not met.
 - · Primary irritant effect:
 - · Skin corrosion/irritation Based on available data, the classification criteria are not met.
 - · Serious eye damage/irritation Based on available data, the classification criteria are not met.
 - · Respiratory or skin sensitisation Based on available data, the classification criteria are not met.
 - · CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)
 - · Germ cell mutagenicity Based on available data, the classification criteria are not met.
 - · Carcinogenicity Based on available data, the classification criteria are not met.
 - · Reproductive toxicity Based on available data, the classification criteria are not met.
 - · STOT-single exposure Based on available data, the classification criteria are not met.
 - · STOT-repeated exposure Based on available data, the classification criteria are not met.
 - · Aspiration hazard Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

- · 12.1 Toxicity
 - · Aquatic toxicity: No further relevant information available.
- · 12.2 Persistence and degradability No further relevant information available.
- · 12.3 Bioaccumulative potential No further relevant information available.
- · 12.4 Mobility in soil No further relevant information available.
 - · Additional ecological information:
 - · General notes: Not hazardous for water.
- · 12.5 Results of PBT and vPvB assessment
 - · PBT: Not applicable.
 - · vPvB: Not applicable.
- · 12.6 Other adverse effects No further relevant information available.

SECTION 13: Disposal considerations

· 13.1 Waste treatment methods

· Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

- Uncleaned packaging:
 - · Recommendation: Disposal must be made according to official regulations.

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Trade name: Microplate

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· Recommended cleansing agents: Water, if necessary together with cleansing agents.

SECTION 14: Transport information	
14.1 UN-Number · ADR, ADN, IMDG, IATA	Void
14.2 UN proper shipping name · ADR, ADN, IMDG, IATA	Void
14.3 Transport hazard class(es)	
· ADR, ADN, IMDG, IATA · Class	Void
14.4 Packing group · ADR, IMDG, IATA	Void
14.5 Environmental hazards: Marine pollutant:	No
14.6 Special precautions for user	Not applicable.
14.7 Transport in bulk according to Annex Marpol and the IBC Code	k II of Not applicable.
· Transport/Additional information:	Not dangerous according to the above specifications.
UN "Model Regulation":	Void

SECTION 15: Regulatory information

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

SECTION 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

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Bio-Rad House, Maxted Road,

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Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 27.10.2020 Version number 2 Revision: 03.07.2015

Trade name: Microplate

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Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the

International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals 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)

PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative





according to 1907/2006/EC, Article 31

Printing date 27.10.2020 Version number 2 Revision: 03.07.2015

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

- · 1.1 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

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

No further relevant information available.

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

Bio-Rad

3, Boulevard Raymond Poincaré

F-92430 Marnes-la-Coquette

Tel.: +33 (0)1 47 95 60 00 Fax: +33 (0)1 47 41 91 33

e-mail: fds-msds.fr@bio-rad.com

- · Further information obtainable from: Customer Support.
- · 1.4 Emergency telephone number: See item 16

SECTION 2: Hazards identification

- · 2.1 Classification of the substance or mixture
 - Classification according to Regulation (EC) No 1272/2008

The product is not classified, according to the CLP regulation.

- · 2.2 Label elements
 - · Labelling according to Regulation (EC) No 1272/2008 Void
 - · Hazard pictograms Void
 - · Signal word Void
 - · Hazard statements Void
- · 2.3 Other hazards
 - · Results of PBT and vPvB assessment
 - · **PBT:** Not applicable.
 - · vPvB: Not applicable.



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according to 1907/2006/EC, Article 31

Printing date 27.10.2020 Version number 2 Revision: 03.07.2015

Trade name: Wash Buffer 10 x (100 mL)

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SECTION 3: Composition/information on ingredients

· 3.2 Chemical characterisation: Mixtures

· **Description:** Mixture without a chemical hazard.

· Dangerous components: Void

• Additional information: For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

- · 4.1 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 eve contact: Rinse opened eve for several minutes under running water.
 - · After swallowing: Consult a doctor, if necessary.
- · 4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

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

No further relevant information available.

SECTION 5: Firefighting measures

- · 5.1 Extinguishing media
 - Suitable extinguishing agents:

Use fire extinguishing methods suitable to surrounding conditions.

CO2, powder or water spray. Fight larger fires with water spray.

- 5.2 Special hazards arising from the substance or mixture No further relevant information available.
- · 5.3 Advice for firefighters
 - · Protective equipment: No special measures required.

SECTION 6: Accidental release measures

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

Absorb liquid components with liquid-binding material.

• **6.4 Reference to other sections** No dangerous substances are released.

SECTION 7: Handling and storage

· 7.1 Precautions for safe handling

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

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according to 1907/2006/EC, Article 31

Printing date 27.10.2020 Version number 2 Revision: 03.07.2015

Trade name: Wash Buffer 10 x (100 mL)

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Follow good laboratory practices.

- · Information about fire and explosion protection: No special measures required.
- · 7.2 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.
- · 7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

- · Additional information about design of technical facilities: No further data; see item 7.
- · 8.1 Control parameters
 - · Ingredients 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 valid during the making were used as basis.
- · Personal protective equipment:
 - General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

- · Respiratory protection: Suitable respiratory protective device recommended.
- · Protection of hands: Protective gloves
- Eye protection: Safety glasses

SECTION 9: Physical and chemical properties

- · 9.1 Information on basic physical and chemical properties
 - · General Information
 - · Appearance:

Form: Fluid
Colour: Colourless
Odour: Characteristic

- · Change in condition
 - Melting point/freezing point: Undetermined.
 - · Initial boiling point and boiling range: Undetermined.
- · Flash point: Not applicable.
- **Explosive properties**: Product does not present an explosion hazard.
- · **Density:** Not determined.
- · Solubility in / Miscibility with
 - · water: Fully miscible.

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Safety data sheet

according to 1907/2006/EC, Article 31

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Trade name: Wash Buffer 10 x (100 mL)

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· 9.2 Other information

No further relevant information available.

SECTION 10: Stability and reactivity

- · 10.1 Reactivity No further relevant information available.
- · 10.2 Chemical stability
 - Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

- 10.3 Possibility of hazardous reactions No dangerous reactions known.
- · 10.4 Conditions to avoid No further relevant information available.
- 10.5 Incompatible materials: No further relevant information available.
- 10.6 Hazardous decomposition products: No dangerous decomposition products known.

SECTION 11: Toxicological information

- 11.1 Information on toxicological effects
 - · Acute toxicity Based on available data, the classification criteria are not met.
 - · Primary irritant effect:
 - · Skin corrosion/irritation Based on available data, the classification criteria are not met.
 - Serious eye damage/irritation Based on available data, the classification criteria are not met.
 - · Respiratory or skin sensitisation Based on available data, the classification criteria are not met.
 - CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)
 - · Germ cell mutagenicity Based on available data, the classification criteria are not met.
 - · Carcinogenicity Based on available data, the classification criteria are not met.
 - · Reproductive toxicity Based on available data, the classification criteria are not met.
 - · STOT-single exposure Based on available data, the classification criteria are not met.
 - · STOT-repeated exposure Based on available data, the classification criteria are not met.
 - · Aspiration hazard Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

- · 12.1 Toxicity
 - · Aquatic toxicity: No further relevant information available.
- 12.2 Persistence and degradability No further relevant information available.
- · 12.3 Bioaccumulative potential No further relevant information available.
- · 12.4 Mobility in soil No further relevant information available.
 - · Additional ecological information:
 - · General notes: Avoid transfer into the environment.
- · 12.5 Results of PBT and vPvB assessment
 - · **PBT:** Not applicable.
 - vPvB: Not applicable.

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according to 1907/2006/EC, Article 31

Printing date 27.10.2020 Version number 2 Revision: 03.07.2015

Trade name: Wash Buffer 10 x (100 mL)

· 12.6 Other adverse effects No further relevant information available.

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SECTION 13: Disposal considerations

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

SECTION 14: Transport information	
14.1 UN-Number ADR, ADN, IMDG, IATA	Void
· 14.2 UN proper shipping name · ADR, ADN, IMDG, IATA	Void
· 14.3 Transport hazard class(es)	
· ADR, ADN, IMDG, IATA · Class	Void
· 14.4 Packing group · ADR, IMDG, IATA	Void
· 14.5 Environmental hazards: · Marine pollutant:	No
· 14.6 Special precautions for user	Not applicable.
· 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code Not applicable.	
· Transport/Additional information:	Not dangerous according to the above specifications.
· UN "Model Regulation":	Void

SECTION 15: Regulatory information

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

SECTION 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.

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Trade name: Wash Buffer 10 x (100 mL)

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· Department issuing SDS:

MSDS / FDS Administr.

Bio-Rad

Marnes-la-Coquette, France

Contact:

Customer Support

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

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Phone: +44-20-8328-2000 Fax: +44-20-8328-2550

· Abbreviations and acronyms:

ICAO: International Civil Aviation Organisation

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals 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)

PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative





according to 1907/2006/EC, Article 31

Printing date 27.10.2020 Version number 2 Revision: 03.07.2015

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

- · 1.1 Product identifier
 - · Trade name: IgG Negative Control
 - · Article number: 72682 R3
- · 1.2 Relevant identified uses of the substance or mixture and uses advised against

No further relevant information available.

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

Bio-Rad

3, Boulevard Raymond Poincaré F-92430 Marnes-la-Coquette Tel.: +33 (0)1 47 95 60 00

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e-mail: fds-msds.fr@bio-rad.com

- · Further information obtainable from: Customer Support.
- · 1.4 Emergency telephone number: See item 16

SECTION 2: Hazards identification

- · 2.1 Classification of the substance or mixture
 - Classification according to Regulation (EC) No 1272/2008

The product is not classified, according to the CLP regulation.

- · 2.2 Label elements
 - · Labelling according to Regulation (EC) No 1272/2008 Void
 - · Hazard pictograms Void
 - · Signal word Void
 - · Hazard statements Void
- · 2.3 Other hazards
 - · Results of PBT and vPvB assessment
 - · **PBT:** Not applicable.
 - · vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

- · 3.2 Chemical characterisation: Mixtures
 - · **Description:** Mixture containing components at a non hazardous concentration.
 - · Dangerous components: Void
 - Additional information: For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

- · 4.1 Description of first aid measures
 - General information: No special measures required.

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Trade name: IgG Negative Control

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- · **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.
- 4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

• 4.3 Indication of any immediate medical attention and special treatment needed No further relevant information available.

SECTION 5: Firefighting measures

- 5.1 Extinguishing media
 - Suitable extinguishing agents: CO2, powder or water spray. Fight larger fires with water spray.
- 5.2 Special hazards arising from the substance or mixture No further relevant information available.
- · 5.3 Advice for firefighters
 - · Protective equipment: No special measures required.

SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures Wear disposable gloves.
- · 6.2 Environmental precautions: Dilute with plenty of water.
- 6.3 Methods and material for containment and cleaning up:

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

· 6.4 Reference to other sections No dangerous substances are released.

SECTION 7: Handling and storage

· 7.1 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 fire and explosion protection: No special measures required.
- · 7.2 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.
- · 7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

· Additional information about design of technical facilities: No further data; see item 7.

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according to 1907/2006/EC, Article 31

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Trade name: IgG Negative Control

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· 8.1 Control parameters

Ingredients 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 valid during the making were used as basis.
- · Personal protective equipment:
 - General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

- · Respiratory protection: 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

SECTION 9: Physical and chemical properties

 9.1 Information on basic physical and chemical pro
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· General Information

· Appearance:

Form: Fluid

· Colour: According to product specification

· Odour: Characteristic

· Change in condition

Melting point/freezing point: Undetermined. Initial boiling point and boiling range: Undetermined.

· Flash point: Not applicable.

· Auto-ignition temperature: Product is not selfigniting.

· Explosive properties: Product does not present an explosion hazard.

· Vapour pressure at 20 °C: 23 hPa

· Density: Not determined.

· Solubility in / Miscibility with

· water: Fully miscible.

· Solvent content:

· Organic solvents: 0.0 % 97.7 %

· Water:

· 9.2 Other information No further relevant information available.

SECTION 10: Stability and reactivity

· 10.1 Reactivity No further relevant information available.

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Safety data sheet

according to 1907/2006/EC, Article 31

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Trade name: IgG Negative Control

(Contd. of page 3)

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

SECTION 11: Toxicological information

- · 11.1 Information on toxicological effects
 - · Acute toxicity Based on available data, the classification criteria are not met.
 - LD/LC50 values relevant for classification:

26628-22-8 Sodium Azide

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

- Primary irritant effect:
 - · Skin corrosion/irritation Based on available data, the classification criteria are not met.
 - · Serious eye damage/irritation Based on available data, the classification criteria are not met.
- · Respiratory or skin sensitisation Based on available data, the classification criteria are not met.
- CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)
 - Germ cell mutagenicity Based on available data, the classification criteria are not met.
 - · Carcinogenicity Based on available data, the classification criteria are not met.
 - · Reproductive toxicity Based on available data, the classification criteria are not met.
- · STOT-single exposure Based on available data, the classification criteria are not met.
- · STOT-repeated exposure Based on available data, the classification criteria are not met.
- · Aspiration hazard Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

- · 12.1 Toxicity
 - · Aquatic toxicity: No further relevant information available.
- 12.2 Persistence and degradability No further relevant information available.
- 12.3 Bioaccumulative potential No further relevant information available.
- · 12.4 Mobility in soil No further relevant information available.
 - · Additional ecological information:
 - · General notes: Not hazardous for water.
- · 12.5 Results of PBT and vPvB assessment
 - · **PBT:** Not applicable.
 - · vPvB: Not applicable.
- 12.6 Other adverse effects No further relevant information available.



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Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 27.10.2020 Version number 2 Revision: 03.07.2015

Trade name: IgG Negative Control

(Contd. of page 4)

SECTION 13: Disposal considerations

- · 13.1 Waste treatment methods
 - · Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

- · Uncleaned packaging:
 - · **Recommendation:** Disposal must be made according to official regulations.
 - Recommended cleansing agents: Water, if necessary together with cleansing agents.

SECTION 14: Transport information		
· 14.1 UN-Number · ADR, ADN, IMDG, IATA	Void	
· 14.2 UN proper shipping name · ADR, ADN, IMDG, IATA	Void	
· 14.3 Transport hazard class(es)		
ADR, ADN, IMDG, IATA Class	Void	
· 14.4 Packing group · ADR, IMDG, IATA	Void	
14.5 Environmental hazards: Marine pollutant:	No	
· 14.6 Special precautions for user	Not applicable.	
· 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code Not applicable.		
· Transport/Additional information:	Not dangerous according to the above specifications.	
· UN "Model Regulation":	Void	

SECTION 15: Regulatory information

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

SECTION 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.

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Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 27.10.2020 Version number 2 Revision: 03.07.2015

Trade name: IgG Negative Control

(Contd. of page 5)

Department issuing SDS:

MSDS / FDS Administr.

Bio-Rad

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Contact:

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Hemel Hempstead, Hertfordshire HP2 7DX

Phone: +44-20-8328-2000 Fax: +44-20-8328-2550

· Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the

International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals 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)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative





according to 1907/2006/EC, Article 31

Printing date 27.10.2020 Version number 2 Revision: 03.07.2015

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

· 1.1 Product identifier

· Trade name: Control Cut Off

· Article number: 72682 R4a

 \cdot 1.2 Relevant identified uses of the substance or mixture and uses advised against

No further relevant information available.

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

Bio-Rad

3, Boulevard Raymond Poincaré F-92430 Marnes-la-Coquette

Tel.: +33 (0)1 47 95 60 00 Fax: +33 (0)1 47 41 91 33

e-mail: fds-msds.fr@bio-rad.com

- · Further information obtainable from: Customer Support.
- · 1.4 Emergency telephone number: See item 16

SECTION 2: Hazards identification

- · 2.1 Classification of the substance or mixture
 - Classification according to Regulation (EC) No 1272/2008

The product is not classified, according to the CLP regulation.

- · 2.2 Label elements
 - · Labelling according to Regulation (EC) No 1272/2008 Void
 - · Hazard pictograms Void
 - · Signal word Void
 - · Hazard statements Void
- · 2.3 Other hazards
 - · Results of PBT and vPvB assessment
 - · **PBT:** Not applicable.
 - · vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

- · 3.2 Chemical characterisation: Mixtures
 - · **Description:** Mixture containing components at a non hazardous concentration.
 - · Dangerous components: Void
 - Additional information: For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

- · 4.1 Description of first aid measures
 - General information: No special measures required.

(Contd. on page 2)



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Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 27.10.2020 Version number 2 Revision: 03.07.2015

Trade name: Control Cut Off

(Contd. of page 1)

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

No further relevant information available.

• 4.3 Indication of any immediate medical attention and special treatment needed No further relevant information available.

SECTION 5: Firefighting measures

- 5.1 Extinguishing media
 - Suitable extinguishing agents: CO2, powder or water spray. Fight larger fires with water spray.
- **5.2 Special hazards arising from the substance or mixture** No further relevant information available.
- 5.3 Advice for firefighters
 - · Protective equipment: No special measures required.

SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures Wear disposable gloves.
- · **6.2 Environmental precautions:** Dilute with plenty of water.
- 6.3 Methods and material for containment and cleaning up:

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

· 6.4 Reference to other sections No dangerous substances are released.

SECTION 7: Handling and storage

· 7.1 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 fire and explosion protection: No special measures required.
- · 7.2 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.
- · 7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

· Additional information about design of technical facilities: No further data; see item 7.

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according to 1907/2006/EC, Article 31

Printing date 27.10.2020 Version number 2 Revision: 03.07.2015

Trade name: Control Cut Off

(Contd. of page 2)

· 8.1 Control parameters

Ingredients 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 valid during the making were used as basis.
- · Personal protective equipment:
 - · General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

- · Respiratory protection: 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

SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· General Information

Appearance:

· Form: Fluid

· Colour: According to product specification

· Odour: Characteristic

· Change in condition

Melting point/freezing point:
 Initial boiling point and boiling range: Undetermined.

• Flash point: Not applicable.

• Auto-ignition temperature: Product is not selfigniting.

• Explosive properties: Product does not present an explosion hazard.

· Vapour pressure at 20 °C: 23 hPa

Density: Not determined.

· Solubility in / Miscibility with

· water: Fully miscible.

· Solvent content:

· Organic solvents: 0.0 % · Water: 97.7 %

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

SECTION 10: Stability and reactivity

· 10.1 Reactivity No further relevant information available.

(Contd. on page 4)



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Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 27.10.2020 Version number 2 Revision: 03.07.2015

Trade name: Control Cut Off

(Contd. of page 3)

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

SECTION 11: Toxicological information

- · 11.1 Information on toxicological effects
 - · Acute toxicity Based on available data, the classification criteria are not met.
 - LD/LC50 values relevant for classification:

26628-22-8 Sodium Azide

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

- Primary irritant effect:
 - · Skin corrosion/irritation Based on available data, the classification criteria are not met.
 - · Serious eye damage/irritation Based on available data, the classification criteria are not met.
- · Respiratory or skin sensitisation Based on available data, the classification criteria are not met.
- CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)
 - Germ cell mutagenicity Based on available data, the classification criteria are not met.
 - · Carcinogenicity Based on available data, the classification criteria are not met.
 - · Reproductive toxicity Based on available data, the classification criteria are not met.
- · STOT-single exposure Based on available data, the classification criteria are not met.
- · STOT-repeated exposure Based on available data, the classification criteria are not met.
- · Aspiration hazard Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

- · 12.1 Toxicity
 - · Aquatic toxicity: No further relevant information available.
- 12.2 Persistence and degradability No further relevant information available.
- 12.3 Bioaccumulative potential No further relevant information available.
- 12.4 Mobility in soil No further relevant information available.
 - · Additional ecological information:
 - · General notes: Not hazardous for water.
- · 12.5 Results of PBT and vPvB assessment
 - · **PBT:** Not applicable.
 - · vPvB: Not applicable.
- 12.6 Other adverse effects No further relevant information available.



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Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 27.10.2020 Version number 2 Revision: 03.07.2015

Trade name: Control Cut Off

(Contd. of page 4)

SECTION 13: Disposal considerations

- · 13.1 Waste treatment methods
 - · Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

- · Uncleaned packaging:
 - · **Recommendation:** Disposal must be made according to official regulations.
 - Recommended cleansing agents: Water, if necessary together with cleansing agents.

SECTION 14: Transport information		
· 14.1 UN-Number · ADR, ADN, IMDG, IATA	Void	
· 14.2 UN proper shipping name · ADR, ADN, IMDG, IATA	Void	
· 14.3 Transport hazard class(es)		
ADR, ADN, IMDG, IATA Class	Void	
· 14.4 Packing group · ADR, IMDG, IATA	Void	
14.5 Environmental hazards: Marine pollutant:	No	
· 14.6 Special precautions for user	Not applicable.	
· 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code Not applicable.		
· Transport/Additional information:	Not dangerous according to the above specifications.	
· UN "Model Regulation":	Void	

SECTION 15: Regulatory information

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

SECTION 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 6)



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Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 27.10.2020 Version number 2 Revision: 03.07.2015

Trade name: Control Cut Off

(Contd. of page 5)

· Department issuing SDS:

MSDS / FDS Administr.

Bio-Rad

Marnes-la-Coquette, France

Contact:

Customer Support

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

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Bio-Rad Laboratories Ltd. Bio-Rad House, Maxted Road,

Hemel Hempstead, Hertfordshire HP2 7DX

Phone: +44-20-8328-2000 Fax: +44-20-8328-2550

· Abbreviations and acronyms:

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International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods

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ELINCS: European List of Notified Chemical Substances

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

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative





according to 1907/2006/EC, Article 31

Printing date 27.10.2020 Version number 2 Revision: 03.07.2015

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

· 1.1 Product identifier

· Trade name: Positive Control

· Article number: 72682 R4b

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

No further relevant information available.

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

· 1.3 Details of the supplier of the safety data sheet

· Manufacturer/Supplier:

Bio-Rad

3, Boulevard Raymond Poincaré F-92430 Marnes-la-Coquette

Tel.: +33 (0)1 47 95 60 00 Fax: +33 (0)1 47 41 91 33

e-mail: fds-msds.fr@bio-rad.com

· Further information obtainable from: Customer Support.

· 1.4 Emergency telephone number: See item 16

SECTION 2: Hazards identification

- · 2.1 Classification of the substance or mixture
 - Classification according to Regulation (EC) No 1272/2008

The product is not classified, according to the CLP regulation.

- · 2.2 Label elements
 - · Labelling according to Regulation (EC) No 1272/2008 Void
 - · Hazard pictograms Void
 - · Signal word Void
 - · Hazard statements Void
- · 2.3 Other hazards
 - · Results of PBT and vPvB assessment
 - · **PBT:** Not applicable.
 - · vPvB: Not applicable.

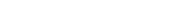
SECTION 3: Composition/information on ingredients

- · 3.2 Chemical characterisation: Mixtures
 - · **Description:** Mixture containing components at a non hazardous concentration.
 - · Dangerous components: Void
 - Additional information: For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

- · 4.1 Description of first aid measures
 - General information: No special measures required.

(Contd. on page 2)



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Safety data sheet according to 1907/2006/EC, Article 31

Printing date 27.10.2020 Version number 2 Revision: 03.07.2015

Trade name: Positive Control

(Contd. of page 1)

- · **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.
- · 4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

• 4.3 Indication of any immediate medical attention and special treatment needed No further relevant information available.

SECTION 5: Firefighting measures

- · 5.1 Extinguishing media
 - Suitable extinguishing agents: CO2, powder or water spray. Fight larger fires with water spray.
- **5.2 Special hazards arising from the substance or mixture** No further relevant information available.
- 5.3 Advice for firefighters
 - · Protective equipment: No special measures required.

SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures Wear disposable gloves.
- · **6.2 Environmental precautions:** Dilute with plenty of water.
- 6.3 Methods and material for containment and cleaning up:

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

· 6.4 Reference to other sections No dangerous substances are released.

SECTION 7: Handling and storage

· 7.1 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 fire and explosion protection: No special measures required.
- · 7.2 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.
- · 7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

· Additional information about design of technical facilities: No further data; see item 7.

(Contd. on page 3)





according to 1907/2006/EC, Article 31

Version number 2 Revision: 03.07.2015 Printing date 27.10.2020

Trade name: Positive Control

(Contd. of page 2)

· 8.1 Control parameters

Ingredients 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 valid during the making were used as basis.
- · Personal protective equipment:
 - General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

- · Respiratory protection: 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

SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

General Information

Appearance:

· Form: Fluid

· Colour: According to product specification

· Odour: Characteristic

· Change in condition

Melting point/freezing point: Undetermined. Initial boiling point and boiling range: Undetermined.

· Flash point: Not applicable.

· Auto-ignition temperature: Product is not selfigniting.

· Explosive properties: Product does not present an explosion hazard.

· Vapour pressure at 20 °C: 23 hPa

· Density: Not determined.

· Solubility in / Miscibility with

· water: Fully miscible.

· Solvent content:

· Organic solvents: 0.0 % 97.7 %

· Water:

· 9.2 Other information No further relevant information available.

SECTION 10: Stability and reactivity

· 10.1 Reactivity No further relevant information available.

(Contd. on page 4)



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Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 27.10.2020 Version number 2 Revision: 03.07.2015

Trade name: Positive Control

(Contd. of page 3)

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

SECTION 11: Toxicological information

- · 11.1 Information on toxicological effects
 - · Acute toxicity Based on available data, the classification criteria are not met.
 - LD/LC50 values relevant for classification:

26628-22-8 Sodium Azide

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

- Primary irritant effect:
 - · Skin corrosion/irritation Based on available data, the classification criteria are not met.
 - · Serious eye damage/irritation Based on available data, the classification criteria are not met.
- · Respiratory or skin sensitisation Based on available data, the classification criteria are not met.
- CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)
 - · Germ cell mutagenicity Based on available data, the classification criteria are not met.
 - · Carcinogenicity Based on available data, the classification criteria are not met.
 - · Reproductive toxicity Based on available data, the classification criteria are not met.
- · STOT-single exposure Based on available data, the classification criteria are not met.
- · STOT-repeated exposure Based on available data, the classification criteria are not met.
- · Aspiration hazard Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

- · 12.1 Toxicity
 - · Aquatic toxicity: No further relevant information available.
- 12.2 Persistence and degradability No further relevant information available.
- 12.3 Bioaccumulative potential No further relevant information available.
- 12.4 Mobility in soil No further relevant information available.
 - · Additional ecological information:
 - · General notes: Not hazardous for water.
- · 12.5 Results of PBT and vPvB assessment
 - · **PBT:** Not applicable.
 - · vPvB: Not applicable.
- 12.6 Other adverse effects No further relevant information available.



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Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 27.10.2020 Version number 2 Revision: 03.07.2015

Trade name: Positive Control

(Contd. of page 4)

SECTION 13: Disposal considerations

- · 13.1 Waste treatment methods
 - · Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

- · Uncleaned packaging:
 - · **Recommendation:** Disposal must be made according to official regulations.
 - Recommended cleansing agents: Water, if necessary together with cleansing agents.

SECTION 14: Transport information		
· 14.1 UN-Number · ADR, ADN, IMDG, IATA	Void	
· 14.2 UN proper shipping name · ADR, ADN, IMDG, IATA	Void	
· 14.3 Transport hazard class(es)		
ADR, ADN, IMDG, IATA Class	Void	
· 14.4 Packing group · ADR, IMDG, IATA	Void	
14.5 Environmental hazards: Marine pollutant:	No	
· 14.6 Special precautions for user	Not applicable.	
· 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code Not applicable.		
· Transport/Additional information:	Not dangerous according to the above specifications.	
· UN "Model Regulation":	Void	

SECTION 15: Regulatory information

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

SECTION 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 6)



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Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 27.10.2020 Version number 2 Revision: 03.07.2015

Trade name: Positive Control

(Contd. of page 5)

· Department issuing SDS:

MSDS / FDS Administr.

Bio-Rad

Marnes-la-Coquette, France

· Contact:

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

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Phone: +44-20-8328-2000 Fax: +44-20-8328-2550

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International Carriage of Dangerous Goods by Road)
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GHS: Globally Harmonised System of Classification and Labelling of Chemicals 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)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative





according to 1907/2006/EC, Article 31

Printing date 27.10.2020 Version number 2 Revision: 03.07.2015

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

· 1.1 Product identifier

· Trade name: Conjugate

· Article number: 72682 R6

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

No further relevant information available.

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

· 1.3 Details of the supplier of the safety data sheet

· Manufacturer/Supplier:

Bio-Rad

3, Boulevard Raymond Poincaré F-92430 Marnes-la-Coquette

Tel.: +33 (0)1 47 95 60 00 Fax: +33 (0)1 47 41 91 33

e-mail: fds-msds.fr@bio-rad.com

· Further information obtainable from: Customer Support.

· 1.4 Emergency telephone number: See item 16

SECTION 2: Hazards identification

- · 2.1 Classification of the substance or mixture
 - Classification according to Regulation (EC) No 1272/2008

The product is not classified, according to the CLP regulation.

- · 2.2 Label elements
 - · Labelling according to Regulation (EC) No 1272/2008 Void
 - · Hazard pictograms Void
 - · Signal word Void
 - · Hazard statements Void
- · 2.3 Other hazards
 - · Results of PBT and vPvB assessment
 - · **PBT:** Not applicable.
 - · vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

- · 3.2 Chemical characterisation: Mixtures
 - · **Description:** Mixture containing components at a non hazardous concentration.
 - · Dangerous components: Void
 - Additional information: For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

- · 4.1 Description of first aid measures
 - General information: No special measures required.

(Contd. on page 2)



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Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 27.10.2020 Version number 2 Revision: 03.07.2015

Trade name: Conjugate

(Contd. of page 1)

- · **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.
- · 4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

• 4.3 Indication of any immediate medical attention and special treatment needed No further relevant information available.

SECTION 5: Firefighting measures

- · 5.1 Extinguishing media
 - Suitable extinguishing agents: CO2, powder or water spray. Fight larger fires with water spray.
- 5.2 Special hazards arising from the substance or mixture No further relevant information available.
- 5.3 Advice for firefighters
 - · Protective equipment: No special measures required.

SECTION 6: Accidental release measures

- · 6.1 Personal precautions, protective equipment and emergency procedures
- Wear disposable gloves.
- 6.2 Environmental precautions:

Dilute with plenty of water.

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

- · 6.3 Methods and material for containment and cleaning up:
- Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **6.4 Reference to other sections** No dangerous substances are released.

SECTION 7: Handling and storage

· 7.1 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 fire and explosion protection: No special measures required.
- · 7.2 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.
- · 7.3 Specific end use(s) No further relevant information available.



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Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 27.10.2020 Version number 2 Revision: 03.07.2015

Trade name: Conjugate

(Contd. of page 2)

SECTION 8: Exposure controls/personal protection

· Additional information about design of technical facilities: No further data; see item 7.

· 8.1 Control parameters

Ingredients 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 valid during the making were used as basis.
- · Personal protective equipment:
 - General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

- Respiratory protection: 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

SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· General Information

· Appearance:

· Form: Fluid

· Colour: According to product specification

· Odour: Characteristic

· Change in condition

· Melting point/freezing point: Undetermined.

· Initial boiling point and boiling range: Undetermined.

· Flash point: Not applicable.

• Auto-ignition temperature: Product is not selfigniting.

• Explosive properties: Product does not present an explosion hazard.

Density: Not determined.

· Solubility in / Miscibility with

· water: Fully miscible.

· Solvent content:

Organic solvents: 0.1 %

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

SECTION 10: Stability and reactivity

· 10.1 Reactivity No further relevant information available.

(Contd. on page 4)



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Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 27.10.2020 Version number 2 Revision: 03.07.2015

Trade name: Conjugate

(Contd. of page 3)

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

SECTION 11: Toxicological information

- · 11.1 Information on toxicological effects
 - · Acute toxicity Based on available data, the classification criteria are not met.
 - · Primary irritant effect:
 - Skin corrosion/irritation Based on available data, the classification criteria are not met.
 - Serious eye damage/irritation Based on available data, the classification criteria are not met.
 - · Respiratory or skin sensitisation Based on available data, the classification criteria are not met.
 - · CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)
 - · Germ cell mutagenicity Based on available data, the classification criteria are not met.
 - · Carcinogenicity Based on available data, the classification criteria are not met.
 - Reproductive toxicity Based on available data, the classification criteria are not met.
 - · STOT-single exposure Based on available data, the classification criteria are not met.
 - · STOT-repeated exposure Based on available data, the classification criteria are not met.
 - · Aspiration hazard Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

- · 12.1 Toxicity
 - · Aquatic toxicity: No further relevant information available.
- 12.2 Persistence and degradability No further relevant information available.
- · 12.3 Bioaccumulative potential No further relevant information available.
- · 12.4 Mobility in soil No further relevant information available.
 - · Additional ecological information:
 - · General notes:

Water hazard class 2 (German Regulation) (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.

- 12.5 Results of PBT and vPvB assessment
 - · PBT: Not applicable.
 - · vPvB: Not applicable.
- 12.6 Other adverse effects No further relevant information available.



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Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 27.10.2020 Version number 2 Revision: 03.07.2015

Trade name: Conjugate

(Contd. of page 4)

SECTION 13: Disposal considerations

- · 13.1 Waste treatment methods
 - · Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

- · Uncleaned packaging:
 - · **Recommendation:** Disposal must be made according to official regulations.
 - Recommended cleansing agents: Water, if necessary together with cleansing agents.

SECTION 14: Transport information		
· 14.1 UN-Number · ADR, ADN, IMDG, IATA	Void	
· 14.2 UN proper shipping name · ADR, ADN, IMDG, IATA	Void	
· 14.3 Transport hazard class(es)		
ADR, ADN, IMDG, IATA Class	Void	
· 14.4 Packing group · ADR, IMDG, IATA	Void	
14.5 Environmental hazards: Marine pollutant:	No	
· 14.6 Special precautions for user	Not applicable.	
· 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code Not applicable.		
· Transport/Additional information:	Not dangerous according to the above specifications.	
· UN "Model Regulation":	Void	

SECTION 15: Regulatory information

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

SECTION 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 6)



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Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 27.10.2020 Version number 2 Revision: 03.07.2015

Trade name: Conjugate

(Contd. of page 5)

· Department issuing SDS:

MSDS / FDS Administr.

Bio-Rad

Marnes-la-Coquette, France

Contact:

Customer Support

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

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Bio-Rad Laboratories Ltd. Bio-Rad House, Maxted Road,

Hemel Hempstead, Hertfordshire HP2 7DX

Phone: +44-20-8328-2000 Fax: +44-20-8328-2550

· Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the

International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

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)

PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative





according to 1907/2006/EC, Article 31

Printing date 27.10.2020 Version number 2 Revision: 03.07.2015

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

- · 1.1 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

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

No further relevant information available.

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

Bio-Rad

3, Boulevard Raymond Poincaré

F-92430 Marnes-la-Coquette

Tel.: +33 (0)1 47 95 60 00 Fax: +33 (0)1 47 41 91 33

e-mail: fds-msds.fr@bio-rad.com

- · Further information obtainable from: Customer Support.
- · 1.4 Emergency telephone number: See item 16

SECTION 2: Hazards identification

- · 2.1 Classification of the substance or mixture
 - Classification according to Regulation (EC) No 1272/2008

The product is not classified, according to the CLP regulation.

- · 2.2 Label elements
 - · Labelling according to Regulation (EC) No 1272/2008 Void
 - · Hazard pictograms Void
 - · Signal word Void
 - · Hazard statements Void
- · 2.3 Other hazards
 - · Results of PBT and vPvB assessment
 - · **PBT:** Not applicable.
 - · vPvB: Not applicable.



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Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 27.10.2020 Version number 2 Revision: 03.07.2015

Trade name: Diluent 2 (100 mL)

(Contd. of page 1)

SECTION 3: Composition/information on ingredients

· 3.2 Chemical characterisation: Mixtures

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

Dangerous components: Void

• Additional information: For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

- · 4.1 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 eve contact: Rinse opened eve for several minutes under running water.
 - After swallowing: Consult a doctor, if necessary.
- · 4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

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

No further relevant information available.

SECTION 5: Firefighting measures

- · 5.1 Extinguishing media
 - Suitable extinguishing agents:

Use fire extinguishing methods suitable to surrounding conditions.

CO2, powder or water spray. Fight larger fires with water spray.

- 5.2 Special hazards arising from the substance or mixture No further relevant information available.
- · 5.3 Advice for firefighters
 - · Protective equipment: No special measures required.

SECTION 6: Accidental release measures

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

Absorb liquid components with liquid-binding material.

• **6.4 Reference to other sections** No dangerous substances are released.

SECTION 7: Handling and storage

· 7.1 Precautions for safe handling

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

(Contd. on page 3)





according to 1907/2006/EC, Article 31

Printing date 27.10.2020 Version number 2 Revision: 03.07.2015

Trade name: Diluent 2 (100 mL)

(Contd. of page 2)

Follow good laboratory practices.

- · Information about fire and explosion protection: No special measures required.
- · 7.2 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.
- · 7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

- · Additional information about design of technical facilities: No further data; see item 7.
- · 8.1 Control parameters
 - · Ingredients 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 valid during the making were used as basis.
- · Personal protective equipment:
 - General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

- Respiratory protection: Suitable respiratory protective device recommended.
- · Protection of hands: Protective gloves
- · Eye protection: Safety glasses

SECTION 9: Physical and chemical properties

- · 9.1 Information on basic physical and chemical properties
 - · General Information
 - · Appearance:

· Form: Fluid

· Colour: According to product specification

· Odour: Characteristic

· Change in condition

· **Melting point/freezing point:** Undetermined.

Initial boiling point and boiling range: Undetermined.

• Flash point: Not applicable.

• Explosive properties: Product does not present an explosion hazard.

· **Density:** Not determined.

· Solubility in / Miscibility with

· water: Fully miscible.

(Contd. on page 4)



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Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 27.10.2020 Version number 2 Revision: 03.07.2015

Trade name: Diluent 2 (100 mL)

(Contd. of page 3)

· 9.2 Other information

No further relevant information available.

SECTION 10: Stability and reactivity

- · 10.1 Reactivity No further relevant information available.
- · 10.2 Chemical stability
 - · Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

- 10.3 Possibility of hazardous reactions No dangerous reactions known.
- · 10.4 Conditions to avoid No further relevant information available.
- · 10.5 Incompatible materials: No further relevant information available.
- 10.6 Hazardous decomposition products: No dangerous decomposition products known.

SECTION 11: Toxicological information

- 11.1 Information on toxicological effects
 - · Acute toxicity Based on available data, the classification criteria are not met.
 - · Primary irritant effect:
 - · Skin corrosion/irritation Based on available data, the classification criteria are not met.
 - Serious eye damage/irritation Based on available data, the classification criteria are not met.
 - · Respiratory or skin sensitisation Based on available data, the classification criteria are not met.
 - CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)
 - · Germ cell mutagenicity Based on available data, the classification criteria are not met.
 - · Carcinogenicity Based on available data, the classification criteria are not met.
 - · Reproductive toxicity Based on available data, the classification criteria are not met.
 - · STOT-single exposure Based on available data, the classification criteria are not met.
 - · STOT-repeated exposure Based on available data, the classification criteria are not met.
 - · Aspiration hazard Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

- · 12.1 Toxicity
 - · Aquatic toxicity: No further relevant information available.
- 12.2 Persistence and degradability No further relevant information available.
- · 12.3 Bioaccumulative potential No further relevant information available.
- 12.4 Mobility in soil No further relevant information available.
 - · Additional ecological information:
 - · General notes: Avoid transfer into the environment.
- · 12.5 Results of PBT and vPvB assessment
 - · **PBT:** Not applicable.
 - vPvB: Not applicable.

(Contd. on page 5)



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according to 1907/2006/EC, Article 31

Printing date 27.10.2020 Version number 2 Revision: 03.07.2015

Trade name: Diluent 2 (100 mL)

· 12.6 Other adverse effects No further relevant information available.

(Contd. of page 4)

SECTION 13: Disposal considerations

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

SECTION 14: Transport information			
· 14.1 UN-Number · ADR, ADN, IMDG, IATA	Void		
· 14.2 UN proper shipping name · ADR, ADN, IMDG, IATA	Void		
· 14.3 Transport hazard class(es)			
ADR, ADN, IMDG, IATA Class	Void		
· 14.4 Packing group · ADR, IMDG, IATA	Void		
· 14.5 Environmental hazards: · Marine pollutant:	No		
· 14.6 Special precautions for user	Not applicable.		
· 14.7 Transport in bulk according to Annex Marpol and the IBC Code	k II of Not applicable.		
· Transport/Additional information:	Not dangerous according to the above specifications.		
· UN "Model Regulation":	Void		

SECTION 15: Regulatory information

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

SECTION 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 6)



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Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 27.10.2020 Version number 2 Revision: 03.07.2015

Trade name: Diluent 2 (100 mL)

(Contd. of page 5)

· Department issuing SDS:

MSDS / FDS Administr.

Bio-Rad

Marnes-la-Coquette, France

Contact:

Customer Support

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

UNITED KINGDOM

Bio-Rad Laboratories Ltd. Bio-Rad House, Maxted Road,

Hemel Hempstead, Hertfordshire HP2 7DX

Phone: +44-20-8328-2000 Fax: +44-20-8328-2550

· Abbreviations and acronyms:

ICAO: International Civil Aviation Organisation

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals 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)

PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative





according to 1907/2006/EC, Article 31

Printing date 27.10.2020 Version number 2 Revision: 03.07.2015

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

- · 1.1 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

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

No further relevant information available.

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

Bio-Rad

3, Boulevard Raymond Poincaré

F-92430 Marnes-la-Coquette

Tel.: +33 (0)1 47 95 60 00 Fax: +33 (0)1 47 41 91 33

e-mail: fds-msds.fr@bio-rad.com

- · Further information obtainable from: Customer Support.
- · 1.4 Emergency telephone number: See item 16

SECTION 2: Hazards identification

- · 2.1 Classification of the substance or mixture
 - Classification according to Regulation (EC) No 1272/2008

The product is not classified, according to the CLP regulation.

- · 2.2 Label elements
 - · Labelling according to Regulation (EC) No 1272/2008 Void
 - · Hazard pictograms Void
 - · Signal word Void
 - · Hazard statements Void
- · 2.3 Other hazards
 - · Results of PBT and vPvB assessment
 - · **PBT:** Not applicable.
 - · vPvB: Not applicable.



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Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 27.10.2020 Version number 2 Revision: 03.07.2015

Trade name: Substrate (15 mL)

(Contd. of page 1)

SECTION 3: Composition/information on ingredients

· 3.2 Chemical characterisation: Mixtures

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

Dangerous components: Void

• Additional information: For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

- · 4.1 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.
- · 4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

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

No further relevant information available.

SECTION 5: Firefighting measures

- · 5.1 Extinguishing media
 - Suitable extinguishing agents:

Use fire extinguishing methods suitable to surrounding conditions.

CO2, powder or water spray. Fight larger fires with water spray.

- 5.2 Special hazards arising from the substance or mixture No further relevant information available.
- · 5.3 Advice for firefighters
 - · Protective equipment: No special measures required.

SECTION 6: Accidental release measures

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

Absorb liquid components with liquid-binding material.

• **6.4 Reference to other sections** No dangerous substances are released.

SECTION 7: Handling and storage

· 7.1 Precautions for safe handling

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

(Contd. on page 3)





according to 1907/2006/EC, Article 31

Printing date 27.10.2020 Version number 2 Revision: 03.07.2015

Trade name: Substrate (15 mL)

(Contd. of page 2)

Follow good laboratory practices.

- Information about fire and explosion protection: No special measures required.
- · 7.2 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.
- · 7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

- · Additional information about design of technical facilities: No further data; see item 7.
- · 8.1 Control parameters
 - · Ingredients 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 valid during the making were used as basis.
- · Personal protective equipment:
 - General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

- · Respiratory protection: Suitable respiratory protective device recommended.
- · Protection of hands: Protective gloves
- · Eye protection: Safety glasses

SECTION 9: Physical and chemical properties

- · 9.1 Information on basic physical and chemical properties
 - · General Information
 - · Appearance:

· Form: Fluid

· Colour: According to product specification

· Odour: Characteristic

· Change in condition

· Melting point/freezing point: Undetermined.

· Initial boiling point and boiling range: Undetermined.

· Flash point: Not applicable.

• **Explosive properties**: Product does not present an explosion hazard.

· **Density:** Not determined.

· Solubility in / Miscibility with

· water: Fully miscible.

(Contd. on page 4)



Page 4/6

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 27.10.2020 Version number 2 Revision: 03.07.2015

Trade name: Substrate (15 mL)

(Contd. of page 3)

· 9.2 Other information

No further relevant information available.

SECTION 10: Stability and reactivity

- · 10.1 Reactivity No further relevant information available.
- · 10.2 Chemical stability
 - · Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

- 10.3 Possibility of hazardous reactions No dangerous reactions known.
- · 10.4 Conditions to avoid No further relevant information available.
- · 10.5 Incompatible materials: No further relevant information available.
- 10.6 Hazardous decomposition products: No dangerous decomposition products known.

SECTION 11: Toxicological information

- 11.1 Information on toxicological effects
 - · Acute toxicity Based on available data, the classification criteria are not met.
 - Primary irritant effect:
 - · Skin corrosion/irritation Based on available data, the classification criteria are not met.
 - Serious eye damage/irritation Based on available data, the classification criteria are not met.
 - · Respiratory or skin sensitisation Based on available data, the classification criteria are not met.
 - CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)
 - · Germ cell mutagenicity Based on available data, the classification criteria are not met.
 - · Carcinogenicity Based on available data, the classification criteria are not met.
 - · Reproductive toxicity Based on available data, the classification criteria are not met.
 - · STOT-single exposure Based on available data, the classification criteria are not met.
 - · STOT-repeated exposure Based on available data, the classification criteria are not met.
 - · Aspiration hazard Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

- · 12.1 Toxicity
 - · Aquatic toxicity: No further relevant information available.
- 12.2 Persistence and degradability No further relevant information available.
- · 12.3 Bioaccumulative potential No further relevant information available.
- 12.4 Mobility in soil No further relevant information available.
 - · Additional ecological information:
 - · General notes: Avoid transfer into the environment.
- · 12.5 Results of PBT and vPvB assessment
 - · **PBT:** Not applicable.
 - vPvB: Not applicable.

(Contd. on page 5)





according to 1907/2006/EC, Article 31

Printing date 27.10.2020 Version number 2 Revision: 03.07.2015

Trade name: Substrate (15 mL)

· 12.6 Other adverse effects No further relevant information available.

(Contd. of page 4)

SECTION 13: Disposal considerations

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

SECTION 14: Transport information		
14.1 UN-Number ADR, ADN, IMDG, IATA	Void	
· 14.2 UN proper shipping name · ADR, ADN, IMDG, IATA	Void	
· 14.3 Transport hazard class(es)		
· ADR, ADN, IMDG, IATA · Class	Void	
· 14.4 Packing group · ADR, IMDG, IATA	Void	
· 14.5 Environmental hazards: · Marine pollutant:	No	
· 14.6 Special precautions for user	Not applicable.	
· 14.7 Transport in bulk according to Annex Marpol and the IBC Code	x II of Not applicable.	
· Transport/Additional information:	Not dangerous according to the above specifications.	
· UN "Model Regulation":	Void	

SECTION 15: Regulatory information

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

SECTION 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 6)



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Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 27.10.2020 Version number 2 Revision: 03.07.2015

Trade name: Substrate (15 mL)

(Contd. of page 5)

Department issuing SDS:

MSDS / FDS Administr.

Bio-Rad

Marnes-la-Coquette, France

· Contact:

Customer Support

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

UNITED KINGDOM

Bio-Rad Laboratories Ltd. Bio-Rad House, Maxted Road,

Hemel Hempstead, Hertfordshire HP2 7DX

Phone: +44-20-8328-2000 Fax: +44-20-8328-2550

· Abbreviations and acronyms:

ICAO: International Civil Aviation Organisation

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals 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)

PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative





according to 1907/2006/EC, Article 31

Printing date 27.10.2020 Version number 5 Revision: 29.04.2016

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

- · 1.1 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.

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

No further relevant information available.

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

Bio-Rad

3, Boulevard Raymond Poincaré

F-92430 Marnes-la-Coquette

Tel.: +33 (0)1 47 95 60 00 Fax: +33 (0)1 47 41 91 33

e-mail: fds-msds.fr@bio-rad.com

- · Further information obtainable from: Customer Support.
- · 1.4 Emergency telephone number: See item 16

SECTION 2: Hazards identification

- · 2.1 Classification of the substance or mixture
 - Classification according to Regulation (EC) No 1272/2008



GHS05 corrosion

Skin Corr. 1A H314 Causes severe skin burns and eye damage.

Eye Dam. 1 H318 Causes serious eye damage.

- · 2.2 Label elements
 - Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

- Hazard pictograms GHS05
- Signal word Danger
- Hazard-determining components of labelling: sulphuric acid
- · Hazard statements

H314 Causes severe skin burns and eye damage.

(Contd. on page 2)





according to 1907/2006/EC, Article 31

Printing date 27.10.2020 Version number 5 Revision: 29.04.2016

Trade name: Stop Solution (16 mL)

· Precautionary statements

(Contd. of page 1)

P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse

skin with water [or shower].

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact

lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER/doctor.

P321 Specific treatment (see on this label).

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/

international regulations.

· 2.3 Other hazards

· Results of PBT and vPvB assessment

· **PBT:** Not applicable. · **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

· 3.2 Chemical characterisation: Mixtures

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

Dangerous components:

CAS: 7664-93-9 sulphuric acid \$\ \epsilon \text{Met. Corr.1, H290; Skin Corr. 1A, H314} \end{array} 2.5-10% Index number: 016-020-00-8

· Additional information: For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

· 4.1 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.

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

No further relevant information available.

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

No further relevant information available.

SECTION 5: Firefighting measures

· 5.1 Extinguishing media

· Suitable extinguishing agents:

CO2, powder or water spray. Fight larger fires with water spray. Use fire extinguishing methods suitable to surrounding conditions.

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- 5.2 Special hazards arising from the substance or mixture No further relevant information available.
- · 5.3 Advice for firefighters
 - · Protective equipment: No special measures required.

SECTION 6: Accidental release measures

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

Absorb liquid components with liquid-binding material.

· 6.4 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.

SECTION 7: Handling and storage

· 7.1 Precautions for safe handling

Avoid all contact with reagents, even those considered to be non-hazardous. Follow good laboratory practices.

- · Information about fire and explosion protection: No special measures required.
- · 7.2 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.
- · 7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

- · Additional information about design of technical facilities: No further data; see item 7.
- · 8.1 Control parameters
 - Ingredients with limit values that require monitoring at the workplace:

7664-93-9 sulphuric acid

WEL Long-term value: 0.05* mg/m³ *mist: is defined as fraction

- · Additional information: The lists valid during the making were used as basis.
- · Personal protective equipment:
 - General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

· **Respiratory protection:** Suitable respiratory protective device recommended.

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· Protection of hands: Protective gloves

· Eye protection: Safety glasses

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SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· General Information

· Appearance:

Form: Fluid Colourless

· **Odour:** Weak, characteristic

· **pH-value:** Not determined.

· Change in condition

• Melting point/freezing point: Undetermined.

· Initial boiling point and boiling range: Undetermined.

· Flash point: Not applicable.

• Explosive properties: Product does not present an explosion hazard.

· **Density:** Not determined.

· Solubility in / Miscibility with

· water: Fully miscible.

· Solvent content:

Organic solvents: 0.0 %
Water: 97.1 %

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

SECTION 10: Stability and reactivity

- · 10.1 Reactivity No further relevant information available.
- · 10.2 Chemical stability
 - Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

- 10.3 Possibility of hazardous reactions No dangerous reactions known.
- 10.4 Conditions to avoid No further relevant information available.
- · 10.5 Incompatible materials: No further relevant information available.
- · 10.6 Hazardous decomposition products: No dangerous decomposition products known.

SECTION 11: Toxicological information

- · 11.1 Information on toxicological effects
 - · Acute toxicity Based on available data, the classification criteria are not met.

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- · Primary irritant effect:
 - · Skin corrosion/irritation
 - Causes severe skin burns and eye damage.
 - · Serious eye damage/irritation
 - Causes serious eye damage.
- Respiratory or skin sensitisation Based on available data, the classification criteria are not met.
- · CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)
 - · Germ cell mutagenicity Based on available data, the classification criteria are not met.
 - · Carcinogenicity Based on available data, the classification criteria are not met.
 - · Reproductive toxicity Based on available data, the classification criteria are not met.
- · STOT-single exposure Based on available data, the classification criteria are not met.
- STOT-repeated exposure Based on available data, the classification criteria are not met.
- · Aspiration hazard Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

- · 12.1 Toxicity
 - · Aquatic toxicity: No further relevant information available.
- 12.2 Persistence and degradability No further relevant information available.
- 12.3 Bioaccumulative potential No further relevant information available.
- · 12.4 Mobility in soil No further relevant information available.
 - · Additional ecological information:
 - · General notes: Avoid transfer into the environment.
- · 12.5 Results of PBT and vPvB assessment
 - · **PBT:** Not applicable.
 - · vPvB: Not applicable.
- 12.6 Other adverse effects No further relevant information available.

SECTION 13: Disposal considerations

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

SECTION 14: Transport information		
· 14.1 UN-Number · ADR, ADN, IMDG, IATA	Void	
14.2 UN proper shipping name ADR, ADN, IMDG, IATA	Void	

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· 14.3 Transport hazard class(es)		
· ADR, ADN, IMDG, IATA		
Class	Void	
· 14.4 Packing group		
· ADR, IMDG, IATA	Void	
· 14.5 Environmental hazards:		
· Marine pollutant:	No	
· 14.6 Special precautions for user	Not applicable.	
· 14.7 Transport in bulk according to Annex	k II of	
Marpol and the IBC Code	Not applicable.	
Transport/Additional information:	Not dangerous according to the above	
-	specifications.	
UN "Model Regulation":	Void	

SECTION 15: Regulatory information

- · 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
 - · Directive 2012/18/EU
 - · Named dangerous substances ANNEX I None of the ingredients is listed.
 - · REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3
- 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 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.

· Relevant phrases

H290 May be corrosive to metals.

H314 Causes severe skin burns and eye damage.

Department issuing SDS:

MSDS / FDS Administr.

Bio-Rad

Marnes-la-Coquette, France

· Contact:

Customer Support

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

UNITED KINGDOM

Bio-Rad Laboratories Ltd.

Bio-Rad House, Maxted Road,

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Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the

International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals 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)

PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative Met. Corr.1: Corrosive to metals - Category 1 Skin Corr. 1A: Skin corrosion/irritation - Category 1A

Eye Dam. 1: Serious eye damage/eye irritation - Category 1