

## **Safety data sheet**

**according to Regulation (EC) No 1907/2006, Article 31**

Printing date 18.11.2025

Version number 6 (replaces version 5)

Revision: 18.11.2025

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

- 1.1 Product identifier**
- Creation date** 13.06.2010
- Trade name:** Sterile PBS buffer, 10X concentrate

- Article number:** 1623

- Registration number**

*A registration number is not available for this substance as the substance or its uses are exempted from registration or the annual tonnage does not require a registration.*

- 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**

*Chemical for research, development, manufacturing, laboratory chemical for analysis.*

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

- Manufacturer/Supplier:**

*Biosolve Chimie*

*20 Rue Roger Husson, 57260 Dieuze, France*

*Tel: +33 3 878 675 80/81/82/83/84/85*

*Email: info@biosolvechimie.com*

*Biosolve B.V.*

*Kerkhofstraat 21, 5554HG Valkenswaard, the Netherlands.*

*Tel: +31-(0)40-2071300*

*Fax: +31-(0)40-2048537*

*Email: info@biosolve-chemicals.com*

- Further information obtainable from:** Product safety department.

- 1.4 Emergency telephone number:**

*Contact list of appointed bodies for information relating to emergency health response, according to Art. 45(1) Reg. (EC) No 1272/2008.*

*See at <https://poisoncentres.echa.europa.eu/appointed-bodies>*

*Help desk: <http://echa.europa.eu/web/guest/support/helpdesks/national-helpdesks/list-of-national-helpdesks>.*

*For more information see section 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.

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· **vPvB:** Not applicable.

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**SECTION 3: Composition/information on ingredients**

- **3.2 Mixtures**
- **Description:** Mixture of substances listed below with nonhazardous additions.
- **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:** Generally the product does not irritate the skin.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** If symptoms persist consult doctor.
- **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.
- **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** Not required.
- **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.  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.

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See Section 13 for disposal information.

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**SECTION 7: Handling and storage**

- **7.1 Precautions for safe handling** No special measures required.
- **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**

· **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.

· **8.2 Exposure controls**

· **Appropriate engineering controls** No further data; see section 7.

· **Individual protection measures, such as personal protective equipment**

· **General protective and hygienic measures:**

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

· **Respiratory protection:** Not required.

· **Hand protection**

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye/face protection** Goggles recommended during refilling

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**\* SECTION 9: Physical and chemical properties**

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

<b>- General Information</b>	
<b>- Physical state</b>	Liquid
<b>- Colour:</b>	According to product specification
<b>- Odour:</b>	Characteristic
<b>- Odour threshold:</b>	No data available.
<b>- Melting point/freezing point:</b>	No data available.
<b>- Boiling point or initial boiling point and boiling range</b>	100 °C
<b>- Flammability</b>	Not applicable.
<b>- Lower and upper explosion limit</b>	
<b>- Lower:</b>	No data available
<b>- Upper:</b>	No data available
<b>- Flash point:</b>	Not applicable.
<b>- Decomposition temperature:</b>	No data available
<b>- pH</b>	No data available
<b>- Viscosity:</b>	
<b>- Dynamic:</b>	Not determined.
<b>- Solubility</b>	
<b>- water:</b>	Fully miscible.
<b>- Partition coefficient n-octanol/water (log value)</b>	No data available
<b>- Vapour pressure at 20 °C:</b>	23 hPa
<b>- Density and/or relative density</b>	
<b>- Density at 20 °C:</b>	1.09 g/cm <sup>3</sup>
<b>- Relative density</b>	No data available
<b>- Vapour density</b>	No data available

**- 9.2 Other information**

<b>- Appearance:</b>	
<b>- Form:</b>	Fluid
<b>- Important information on protection of health and environment, and on safety.</b>	
<b>- Ignition temperature:</b>	Product is not selfigniting.
<b>- Explosive properties:</b>	Product does not present an explosion hazard.
<b>- Solvent content:</b>	
<b>- Water:</b>	90.2 %
<b>- Solids content:</b>	9.8 %
<b>- Change in condition</b>	
<b>- Evaporation rate</b>	No data available

**- Information with regard to physical hazard classes**

<b>- Explosives</b>	Void
<b>- Flammable gases</b>	Void
<b>- Aerosols</b>	Void
<b>- Oxidising gases</b>	Void
<b>- Gases under pressure</b>	Void

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· <b>Flammable liquids</b>	Void
· <b>Flammable solids</b>	Void
· <b>Self-reactive substances and mixtures</b>	Void
· <b>Pyrophoric liquids</b>	Void
· <b>Pyrophoric solids</b>	Void
· <b>Self-heating substances and mixtures</b>	Void
· <b>Substances and mixtures, which emit flammable gases in contact with water</b>	Void
· <b>Oxidising liquids</b>	Void
· <b>Oxidising solids</b>	Void
· <b>Organic peroxides</b>	Void
· <b>Corrosive to metals</b>	Void
· <b>Desensitised explosives</b>	Void

## **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.

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## **SECTION 11: Toxicological information**

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **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.
- **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.
- **11.2 Information on other hazards**
- **Endocrine disrupting properties**

**None of the ingredients is listed.**

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<b>* SECTION 12: Ecological information</b>
<ul style="list-style-type: none"><li><b>12.1 Toxicity</b></li><li><b>Aquatic toxicity:</b> No further relevant information available.</li></ul>
<ul style="list-style-type: none"><li><b>12.2 Persistence and degradability</b> No further relevant information available.</li></ul>
<ul style="list-style-type: none"><li><b>12.3 Bioaccumulative potential</b> No further relevant information available.</li></ul>
<ul style="list-style-type: none"><li><b>12.4 Mobility in soil</b> No further relevant information available.</li></ul>
<ul style="list-style-type: none"><li><b>12.5 Results of PBT and vPvB assessment</b></li><li><b>PBT:</b> Not applicable.</li><li><b>vPvB:</b> Not applicable.</li></ul>
<ul style="list-style-type: none"><li><b>12.6 Endocrine disrupting properties</b> The product does not contain substances with endocrine disrupting properties.</li></ul>
<ul style="list-style-type: none"><li><b>12.7 Other adverse effects</b></li><li><b>Additional ecological information:</b></li><li><b>General notes:</b> Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.</li></ul>

<b>* SECTION 13: Disposal considerations</b>
<ul style="list-style-type: none"><li><b>13.1 Waste treatment methods</b></li><li><b>Recommendation</b> Smaller quantities can be disposed of with household waste.</li></ul>
<ul style="list-style-type: none"><li><b>Uncleaned packaging:</b></li><li><b>Recommendation:</b> Disposal must be made according to official regulations.</li><li><b>Recommended cleansing agents:</b> Water, if necessary together with cleansing agents.</li></ul>

<b>* SECTION 14: Transport information</b>
<ul style="list-style-type: none"><li><b>14.1 UN number or ID number</b></li><li><b>ADR, ADN, IMDG, IATA</b> <i>Void</i></li></ul>
<ul style="list-style-type: none"><li><b>14.2 UN proper shipping name</b></li><li><b>ADR, ADN, IMDG, IATA</b> <i>Void</i></li></ul>
<ul style="list-style-type: none"><li><b>14.3 Transport hazard class(es)</b></li><li><b>ADR, ADN, IMDG, IATA</b></li><li><b>Class</b> <i>Void</i></li></ul>
<ul style="list-style-type: none"><li><b>14.4 Packing group</b></li><li><b>ADR, IMDG, IATA</b> <i>Void</i></li></ul>
<ul style="list-style-type: none"><li><b>14.5 Environmental hazards:</b></li><li><b>Marine pollutant:</b> <i>No</i></li></ul>

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· 14.6 Special precautions for user	Not applicable.
· 14.7 Maritime transport in bulk according to IMO instruments	Not applicable.

**\* 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.
- DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II  
None of the ingredients is listed.
- REGULATION (EU) 2019/1148
- Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))  
None of the ingredients is listed.
- Annex II - REPORTABLE EXPLOSIVES PRECURSORS  
None of the ingredients is listed.
- Regulation (EC) No 273/2004 on drug precursors  
None of the ingredients is listed.
- Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors  
None of the ingredients is listed.
- 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: Product safety department
- Contact:  
Austria Vergiftungsinformationszentrale (VIZ) (+43) 1 406 43 43

Belgium Centre Antipoisons (+32) 070 245 245  
Antigifcentrum 070 245 245 (+32)

Bulgaria Национален токсикологичен информационен център  
Многопрофилна болница за активно лечение и спешна медицина "Н.И.Пирогов" (+359) 2 9154 233

Croatia Centar za kontrolu otrovanja (+385) 01 2348 342

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*Cyprus Υπουργείο Εργασίας, Πρόνοιας και Κοινωνικών Ασφαλίσεων  
Τμήμα Επιθεώρησης Εργασίας 1401*

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*Denmark Giftlinjen: +45 8212 1212*

*Estonia Terviseameti mürgistustabekeskuse 16662, (+372) 7943 794*

*Finland Myrkytystietokeskus 0800 147 111, 09 471 977*

*France ORFILA (INRS) : + 33 (0)1 45 42 59 59*

*Centres Antipoison et de Toxicovigilance*

*ANGERS: 02 41 48 21 21*

*BORDEAUX: 05 56 96 40 80*

*LILLE: 0800 59 59 59*

*LYON: 04 72 11 69 11*

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*Vergiftungs-Informations-Zentrale Zentrum für Kinder- und Jugendmedizin Universitätsklinikum: 0761/19240*

*Giftnotruf München Toxikologische Abteilung der II. Med. Klinik und Poliklinik: 089/19240*

*Great Britain Members of the public seeking specific information on poisons should contact: In England and Wales: NHS 111 - dial 111 In Scotland: NHS 24 - dial 111*

*Greece Κέντρο Δηλητηριάσεων (+30) 2107793777*

*Hungary Országos Kémiai Biztonsági Intézet (OKBI) +(36)-80-201-199*

*Iceland LANDSPITALI - THE NATIONAL UNIVERSITY HOSPITAL Tel. (+354) 543 1000*

*Ireland National Poisons Information Centre: +353 (1) 809 2166 (8.00 a.m. to 10.00 p.m. 7 days a week)*

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CAV "Ospedale Pediatrico Bambino Gesù" – Roma Tel. (+39) 06.6859.3726  
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CAV Azienda Ospedaliera "Careggi" U.O. Tossicologia Medica – Firenze Tel. (+39) 055.794.7819  
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Norway Giftinformasjonen 22 59 13 00

Poland Biuro do spraw Substancji Chemicznych +48 42 2538 400

Portugal Centro de informação antivenenos 800 250 250

Romania Institutul Național de Sănătate Publică +40213183606

Slovakia Národné toxikologické informačné centrum (NTIC) (+421) 2 5477 4166

Slovenia Urad Republike Slovenije za kemikalije +38614006051

Spain Instituto Nacional de Toxicología y Ciencias Forenses (INTCF) (+34) 91 562 04 20

Sweden Giftinformationscentralen (+46) 10 456 6700

Switzerland Tox Info Suisse 24-h-Notfallnummer: 145 (aus dem Ausland: +41 44 251 51 51) Auskunft: +41 44 251 66 66

· **Date of previous version:** 04.11.2025

· **Version number of previous version:** 5

· **Abbreviations and acronyms:**

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

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organisation

ICAO-TI: Technical Instructions by the "International Civil Aviation Organisation" (ICAO)

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ADR: Accord relatif au transport international 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

· \* **Data compared to the previous version altered.**

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