Safety Data Sheet

Section 1 – Identification of the substance/preparation and of the company/undertaking

Identification of the substance or mixture

Product name: Phosphate Buffered Saline (PBS), pH 7.4
Catalog number: 311-010-**
For research use only. Not intended for human or animal diagnostic or therapeutic uses.

Company details

Wisent Inc.
3645 Principale
Saint-Jean-Baptiste, Qc
Canada J0L2B0
Telephone: +1 (450) 446-2660
Toll-free in Canada: 1-888-947-3681
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Emergency telephone: +1 (514) 777-1312

Wisent Inc.
PO Box 131
St-Bruno, Qc
Canada, J3V 4P8

Section 2 – Hazards identification

Classification of the substance or mixture
Not a hazardous substance or mixture.
GHS Label elements, including precautionary statements
No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required
Hazards not otherwise classified (HNOC) or not covered by GHS
none

Section 3 – Composition/Information on ingredients

CAS#	Composants	-CE#	Concentration
7778-77-0	Potassium dihydrogenorthophosphate	231-913-4	0.0144%
7782-85-6	Sodium monohydrogen phosphate, heptahydrate	237-707-0	0.0795%
7647-14-5	Sodium chloride	231-598-3	0.9%
7732-18-5	Water	231-791-2	99%

Section 4 – First aid measures

Ingestion

Never give anything by mouth to an unconscious person. Rinse mouth with water.

Inhalation

If breathed in, move person into fresh air. If not breathing, give artificial respiration.

Skin contact

Rinse with plenty of soap and water.

Eye contact

Flush eyes with water as a precaution. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.

Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling.

Information for doctor

No data available

Section 5 – Firefighting measures

Extinguishing media

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable extinguishing media

No data available

Special hazards arising from the substance or mixture

Nature of decomposition products not known.

Advice for fire-fighters

Wear self-contained breathing apparatus for firefighting if necessary.

Section 6 – Accidental release measures

Personal precaution, protective equipment and emergency procedures

Avoid breathing vapours, mist or gas.

Methods and material for containment and cleaning up

Keep in suitable, closed containers for disposal.

Environmental precautions

No special environmental precautions required.

Section 7 – Handling and storage

Precaution for safe handling

Do not breathe vapours/dust.

Avoid exposure - obtain special instructions before use. Avoid contact with skin and eyes.

Use a personal protection.

Condition for safe storage, including any incapability

Keep container tightly closed in a dry and well-ventilated place.

Section 8 – Exposure controls/personal protection

Control parameters

Exposure limits

Contains no substances with exposure limit values.

General protective and hygienic measures

Hand protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Eye protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Breathing equipment

Respiratory protection not required. For nuisance exposures use type OV/AG (US) or type ABEK (EU EN 14387) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Skin and body protection

Impervious clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Hygiene measures

General industrial hygiene practice.

Environmental exposure controls

No special environmental precaution required.

Section 9 – Physical and chemical properties

Information on basic physical and chemical properties

Appearance	Liquid
Odour	No data available
Odour Threshold	No data available
pH	7.4
Melting point	No data available
Boiling point	No data available
Flash point	No data available
Auto ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Evaporation rate	No data available
Flammability	No data available
Upper explosion limit	No data available
Lower explosion limit	No data available
Vapour pressure	No data available
Vapour density	No data available
Relative density	No data available
Relative vapour density	No data available
Specific gravity	No data available
Water Solubility	No data available
Solubility (solvents)	No data available
Partition coefficient	No data available
Explosive properties	No data available
Oxidizing properties	No data available

Section 10 – Stability and reactivity

Reactivity

No data available

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

No data available

Condition to avoid

No data available

Incompatible materials

Strong oxidizing agents.

Hazardous decomposition products

Hazardous decomposition products formed under fire conditions.

Nature of decomposition products not known.

Section 11 – Toxicological information

Information on toxicological effects
No data available

Principal Routes of Exposure
Irritation
No data available
Sensitization
No data available
STOT - Single Exposure
No data available
STOT - Repeated Exposure
No data available
Carcinogenicity
No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
Mutagenicity
No data available
Reproductive toxicity
No data available
Aspiration hazard
No data available

Section 12 –Ecological information

Ecotoxicity
No data available
Persistence and degradability
No data available

Behaviour in environmental systems
Bioaccumulative potential
No data available
Results of PBT and vPvB assessment PBT/vPvB assessment
Not available as chemical safety assessment not required/not conducted
Other adverse effects
No data available

Section 13 – Disposal considerations

Waste treatment methods

Offer surplus and non-recyclable solutions to a licensed disposal company.
Dispose of as unused product.

Section 14 – Transport information

DOT (US)

Not regulated as dangerous

IATA

Not regulated as dangerous

IMDG

Not regulated as dangerous

Section 15 – Regulatory information

WHMIS Classification

This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR) and the SDS contains all the information required by the HPR.

Section 16 – Other information

MSDS Date of revision: September 2021

For research use only. Not use for diagnostic procedures.