



SAFETY DATA SHEET

Waters IGL Pulsatile Perfusion Solution

(UW Machine Perfusion Solution)

1. PRODUCT INFORMATION

Product Name: Waters IGL Pulsatile Perfusion Solution (UW Machine Perfusion Solution)

Reference: PPS/1000

Manufacturer: INSTITUT GEORGES LOPEZ

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safety@groupe-igl.com

North American Distributor:

WATERS MEDICAL SYSTEMS, LLC

2112 15th Street Northwest

Rochester, Minnesota 55901, USA

Tel: 507-288-7777

Fax: 507-252-3700

www.wtrs.com

2. HAZARDS IDENTIFICATION

This product is not classified as hazardous according to Globally Harmonized System of Classification and Labelling of Chemicals (GHS) and US Regulation 29 CFR 1910.1200.

Hazardous Ingredients including Paints, Preservatives and Solvents: Not applicable

Hazardous Ingredients including Alloys and Metallic Coatings: Not applicable

Hazardous Mixtures of other Liquids, Solids or Gases: None Identified

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Family: Mixture of Salts and Carbohydrates

Ingredients:

Component	CAS number	Concentration
Calcium chloride dihydrate	10035-04-8	0.068 g/L
Sodium gluconate	527-07-1	17.45g/L
Adenine (free base)	73-24-5	0.68 g/L
Potassium phosphate monobasic	7778-77-0	3.4 g/l
Pentafraction (Hydroxyethyl Starch)	90005-27-0	50 g/l
Magnesium gluconate	59625-89-7	1.13 g/L
HEPES	7365-45-9	2.38 g/L
Beta D (+) glucose	50-99-7	1.80 g/L
Glutathione	70-18-8	0.92 g/l
D (-) ribose	50-69-1	0.75 g/L
Mannitol	69-65-8	5.4 g/L
Sodium hydroxide	1310-73-2	QS pH:7.4
Water for injection	7732-18-5	Qs 1 liter



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4. FIRST-AID MEASURES

In case of skin contact: Wash immediately with soap and water. Get medical attention if irritation develops and persists.

In case of eye contact: Rinse immediately with water. Get medical attention if irritation develops and persists.

In case of ingestion: Clean mouth with water and drink plenty of water. If you feel unwell, seek medical advice. Do not induce vomiting without medical advice.

In case of inhalation: No special precautions required.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing agents: Water spray, dry powder, foam

Special protective equipment for firefighters: No information available.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Use appropriate personal protective equipment.

Measures for environmental protection: Prevent product from entering drains.

Measures for cleaning/collecting: Contain spillage and collect with non-combustible, absorbent material for disposal according to local / national regulations.

7. HANDLING AND STORAGE

Handling: No special precautions required.

Storage: Store indoors at temperatures between +2°C and +25°C (36°F and 77°F) in a dry place away from direct sunlight. Product should not be frozen.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Protective Gloves: If contact is likely.

Eye Protection: Safety Glasses.

Other: Eye Wash Station must be available.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form: Aqueous solution

Color: Clear to light yellow

Odor: Odorless

pH: 7.2 to 7.6

Boiling point: 100°C (212°F)

Relative density: about 1.02

Solubility in/Miscibility with water: Soluble



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10. STABILITY AND REACTIVITY

Reactivity: non-reactive under normal conditions
Stability: stable under normal conditions
Incompatible materials: None
Hazardous decomposition products: No hazardous decomposition when stored normally

11. TOXICOLOGICAL INFORMATION

No component in this product present at levels greater than or equal to 0.1% is identified as toxic, carcinogenic, mutagenic or sensitizing.

12. ECOLOGICAL INFORMATION

Ecotoxicity: No data available
Biodegradation: No data available
Bioaccumulation: No data available

13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with local and national regulations.

14. TRANSPORT INFORMATION

DOT (US): Not dangerous goods
IMDG: Not dangerous goods
IATA: Not dangerous goods

15. REGULATORY INFORMATION

OSHA Hazards: No OSHA Hazards.
DSL Status: All components of this product are on the Canadian DSL list.
SARA 302 Components: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
SARA 313 Components: This material does not contain any chemical components with known CAS numbers that exceed the threshold (DE Minimis) reporting levels established by SARA Title III, Section 313.
SARA 311/312 Hazards: No SARA Hazards

16. OTHER INFORMATION

Date of establishment/update: 13 APR 2023

The information provided herein is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.