

**BIO SPECTRA**  
Premium Pharmaceutical Ingredients



# Water for Injection

## Safety Data Sheet

According to Regulation (EC) 1272/2008

### SECTION 1 - Chemical Product and Company Identification

#### 1.1 Product Identifiers

Product Name: : Water for Injection (WFI)  
CAS #: : 7732-18-5  
EC #: : 231-791-2  
RTECS #: : ZC0110000  
REACH Registration Number : Not available

#### 1.2 Recommended Use of the Chemical and Restrictions of Use

Chemical Manufacturing

#### 1.3 Supplier Details

**Supplier:** BioSpectra, Inc.  
100 Majestic Way  
Bangor, PA 18013  
T: 610.599.3400  
ehs@biospectra.us

#### 1.4 Emergency Numbers

**Emergency number:** US & Canada: 1-800-424-9300  
Outside the US & Canada: +1 703-527-3887

### SECTION 2 – Hazard Identification

#### 2.1 Classification of Substance or Mixture

Not a hazardous substance or mixture.

#### 2.2 GHS Label Elements Including Precautionary Statements

Not a hazardous substance or mixture.

#### 2.3 Hazards not Classified or not Covered by the GHS

Not a hazardous substance or mixture.

### SECTION 3 – Composition, Information on Ingredients

Component	Classification	Concentration
Water	None	100%

Synonyms : AQUA; water, distilled, conductivity or of similar purity  
EC Number : 231-791-2  
CAS Number : 7732-18-5  
Molecular Formula : H<sub>2</sub>O

Molecular Weight : 18.02 g/mol

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**SECTION 4 – First Aid Measures****4.1 Description of Necessary First Aid Measures**

Eyes	:	Due to the nature of this material, first aid may not be required.
Skin	:	Due to the nature of this material, first aid may not be required.
Ingestion	:	Due to the nature of this material, first aid may not be required.
Inhalation	:	Due to the nature of this material, first aid may not be required.
Notes to Physician	:	Treat symptomatically. Provide medical attention if large quantities have been ingested or inhaled.

**4.2 Most Important Symptoms/Effects, Acute and Delayed**

Refer to Section 2.2 for Precautionary Statements if any are applicable

**4.3 Indication of Immediate Medical Attention and Special Treatment**

No specific treatments

**SECTION 5 - Firefighting Measures****5.1 Extinguishing Media**

Use an extinguishing agent suitable for the surrounding fire.

**5.2 Specific Hazards Associated with this Chemical**

No Special Hazards associated with this material

**5.3 Special Equipment/Precautions for Firefighters**

No Special Equipment or Precautions associated with this material.

**5.4 Other Information**

None

**SECTION 6 - Accidental Release Measures****6.1 Personal Precautions, Protective Equipment and Emergency Procedures**

Use proper personal protective equipment as indicated in Section 8.

**6.2 Environmental Precautions**

Avoid dispersal of spilled material, runoff and contact with soil, waterways, drains and sewers.

**6.3 Methods and Materials for Containment and Cleaning Up**

Absorb any spillage with aqueous absorbent material.

**6.4 Other Information**

For disposal instructions see section 13.

**SECTION 7 - Handling and Storage****7.1 Precautions for Safe Handling**

Put on appropriate personal protective equipment (see Section 8).

**7.2 Conditions for Storage Including any Incompatibilities**

Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers.

**7.3 Other Information**

None

**SECTION 8 - Exposure Controls, Personal Protection****8.1 Control Parameters**

No Occupational Exposure Limit (OEL) or Short-Term Exposure Limit (STEL) has been identified.

**8.2 Engineering Controls**

Engineering controls should be used as the primary means to control exposures.

**8.3 Personal Protective Equipment****Eyes**

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

**Skin**

Under normal conditions of use, skin protection should not be required unless product is at extreme temperatures.

**Clothing**

Under normal conditions of use, skin protection should not be required unless product is at extreme temperatures.

**Respirators**

Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

**Control of environment exposure**

Do not let product enter drains

**SECTION 9 - Physical and Chemical Properties**

Physical State	: Liquid
Appearance	: Clear, colorless
Odor	: Not available
pH	: Not available
pK <sub>a</sub>	: Not available
Vapor Density	: Not available
Viscosity	: Not available
Melting Range	: > 0°C
Boiling Point	: 100°C
Decomposition Temperature	: Not available
Specific Gravity/Density	: 1.0 g/mL
Solubility	: Not available
Molecular Formula	: H <sub>2</sub> O
Molecular Weight	: 18.02 g/mol

**SECTION 10 - Stability and Reactivity****10.1 Chemical Stability**

The product is stable.

**10.2 Conditions to Avoid**

No specific data.

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**10.3 Incompatibilities with Other Materials**

No specific data.

**10.4 Hazardous Decomposition Products**

Under normal conditions of storage and use, hazardous decomposition product should not be produced.

**10.5 Hazardous Polymerization**

Not specific test data related to reactivity available for this product or its ingredients.

**SECTION 11 - Toxicological Information****11.1 Toxicological Effects**

LD50/LC50	: No data available
LD50/LC50	: No data available
Carcinogenicity	: CAS# 7732-18-5: Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA
Epidemiology	: No data available
Teratogenicity	: No data available
Reproductive Effects	: No data available
Neurotoxicity	: No data available
Mutagenicity	: No data available
Other Studies	: No data available

**11.2 Additional Information**

To the best of our knowledge the associated physical, chemical and toxicological properties of this chemical have not undergone thorough investigation, all known information is contained in this SDS.

**SECTION 12 - Ecological Information****12.1 Ecotoxicity****Toxicity to Daphnia and Other Aquatic Invertebrates**

No data available

**12.2 Persistence and Degradability**

Biodegradability Result	: No data available
Method	: No data available

**12.3 Bioaccumulative Potential**

Product/ingredient name	LogP <sub>ow</sub>	BCF	Potential
Water	-1.38	-	low

**12.4 Mobility in Soil**

No information available

**12.5 Results of PBT and vPvB Assessment**

No information available as chemical safety assessment not required/not conducted

**12.6 Other Adverse Effects**

No significant effects or critical hazards

**SECTION 13 - Disposal Considerations**

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

**SECTION 14 - Transport Information**

Regulations	US DOT	IATA	IMDG	Further information
Shipping Name	Not Dangerous Goods	Not Dangerous Goods	Not Dangerous Goods	Not classified as dangerous in the meaning of transport regulations
Hazard Class				
UN Number				
Packing Group				

**SECTION 15 - Regulatory Information****15.1 EHS Chemical Specific Regulations****SARA:**

Section 302

: This material does not contain any components with a section 302 EHS TPQ  
This material does not contain any chemical components with known CAS

Section 313

: numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards

: No SARA Hazards

**STATE SPECIFIC:**

Massachusetts Right To Know Components

: This material is not listed

New York Right to Know Components

: This material is not listed

New Jersey Right to Know Components

: This material is not listed

Pennsylvania Right to Know Components

: This material is not listed

**SECTION 16 - Additional Information****16.1 Hazard Ratings**

NFPA Rating	
Health hazard	0
Fire Hazard	0
Reactivity Hazard	0

  

HMIS Classification	
Health hazard	0
Flammability	0
Physical Hazards	0

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