

**SECTION 1: IDENTIFICATION****Product Identifier:** Serum Diluent**Recommended Use and Restrictions on Use:** For In Vitro diagnostic use only**Responsible Party:**

Name: Immuno Concepts N.A. Ltd.

Address: 9825 Goethe Road Suite 350, Sacramento, CA, 95827, USA

[www.immunoconcepts.com](http://www.immunoconcepts.com)Technical Support: 1-800-251-5115; [technicalsupport@immunoconcepts.com](mailto:technicalsupport@immunoconcepts.com)**SECTION 2: HAZARD(S) IDENTIFICATION****Chemical Classification(s)**

Not classified in accordance to EC No. 1272/2008

**Signal Word**

None

**Hazard Statement(s)**

None

**Symbol(s)**

None

**Precautionary Statement(s)**

None

**SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS**

Hazardous and non-hazardous ingredients are listed only if present at a concentration of 1% or greater (0.1% for carcinogens).

Component	CAS #	Percent Range
Newborn Bovine Serum	NA	≤ 50%*
Water	7732-18-5	< 50%*

\*Specific percentages of composition are being withheld as a trade secret.

This product contains materials of animal origin.

**SECTION 4: FIRST – AID MEASURES****First Aid: Eyes**

Immediately flush eyes with plenty of water for at least 15 minutes. If irritation persists, get medical attention.

**First Aid: Skin**

Wash immediately with soap and water. If irritation persists, get medical attention.

**First Aid: Ingestion**

If the material is swallowed, get immediate medical attention or advice. Do not induce vomiting.

**First Aid: Inhalation**

Move person to non-contaminated air. If the affected person is not breathing, apply artificial respiration.

**SECTION 5: FIRE – FIGHTING MEASURES****General Fire Hazards**

None; See section 9 for Flammability Properties.

**Hazardous Combustion Products**

Trace amounts of toxic vapors and fumes.

**Extinguishing Media**

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

**Unsuitable Extinguishing Media**

None

**Fire Fighting Equipment/Instructions**

Firefighters should wear full protective gear. Use water spray to keep fire-exposed containers cool.

**SECTION 6: ACCIDENTAL RELEASE MEASURES****Recovery and Neutralization**

None

**Materials and Methods for Clean-Up**

Soak-up with inert absorbent material. Keep in suitable closed container and hold for waste disposal.

Ventilate area and wash spill site after material pick up is complete.

**Emergency Measures**

Isolate area. Keep unnecessary personnel away.

**Personal Precautions and Protective Equipment**

Wear appropriate attire to minimize skin contact.

**Environmental Precautions**

Do not allow product to enter drains.

**Prevention of Secondary Hazards**

None

**SECTION 7: HANDLING AND STORAGE****Handling Procedures**

Wash skin thoroughly after handling.

**Storage Procedures**

Keep containers tightly closed in a dry, cool and well-ventilated place.

**Incompatibilities**

Avoid contact with strong oxidizing agents, metals, strong acids, and strong bases.

**SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION****Component Exposure Limits**

This product does not contain any substances with occupational exposure limit values.

**Engineering Measures**

Ensure that eyewash and safety showers are close to the workstation location. Ensure adequate ventilation.

**Personal Protective Equipment: Respiratory**

Use NIOSH/MSHA approved respirators if exposure limits are exceeded or if irritation or other symptoms are experienced.

**Personal Protective Equipment: Hands**

Use impervious gloves.

**Personal Protective Equipment: Eyes**

Wear NIOSH approved safety glasses or face shield.

**Personal Protective Equipment: Skin and Body**

Wear lab coat to minimize skin contact.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance:</b>	Colorless	<b>Upper Flammability Limit (UFL):</b>	ND
<b>Physical State:</b>	Liquid	<b>Lower Flammability Limit (LFL):</b>	ND
<b>Odor:</b>	None	<b>Vapor Pressure:</b>	ND
<b>Odor Threshold:</b>	ND	<b>Vapor Density:</b>	ND
<b>pH:</b>	7.4 ± 0.2	<b>Relative Density:</b>	ND
<b>Melting/Freezing Point:</b>	ND	<b>Solubility(ies):</b>	ND
<b>Boiling Point:</b>	ND	<b>Partition Coefficient (n-octanol/water):</b>	ND
<b>Flash Point:</b>	ND	<b>Auto Ignition Temperature:</b>	ND
<b>Evaporation Rate:</b>	ND	<b>Decomposition Temperature:</b>	ND
<b>Flammability (solid, gas):</b>	ND	<b>Viscosity:</b>	ND

**SECTION 10: STABILITY AND REACTIVITY**

**Chemical Stability**

This is stable material.

**Hazardous Reaction Potential**

Will not occur.

**Conditions to Avoid**

None

**Incompatible Products**

Avoid contact with strong oxidizing agents, metals, strong acids, and strong bases.

**Hazardous Decomposition Products**

Irritating toxic fumes and gases.

**SECTION 11: TOXICOLOGICAL INFORMATION****Acute Toxicity:****Component Analysis – LD50/LC50**

No LD50/LC50's are available for this product's components.

**Potential Health Effects: Skin Corrosion Property/Stimulativeness**

This product is not reported to have any skin irritation effects.

**Potential Health Effects: Eye Critical Damage/Stimulativeness**

This product is not reported to have any eye irritation effects.

**Potential Health Effects: Ingestion**

May be harmful if swallowed.

**Potential Health Effects: Inhalation**

This product is not reported to have any inhalation hazard effects.

**Respiratory Organs Sensitization/Skin Sensitization**

This product is not reported to have any sensitization effects.

**Generative Cell Mutagenicity**

This product is not reported to have any mutagenic effects.

**Carcinogenicity****A: General Product Information**

This product is not reported to have any carcinogenic effects.

**B: Component Carcinogenicity**

This product does not contain components reported to have any carcinogenic effects.

**Reproductive Toxicity**

This product is not reported to have any reproductive toxicity effects.

**Specified Target Organ General Toxicity: Single Exposure**

This product is not reported to have any specific target organ toxicity single exposure effects.

**Specified Target Organ General Toxicity: Repeated Exposure**

This product is not reported to have any specific target organ toxicity repeated exposure effects.

**Aspiration Respiratory Organs Hazard**

Not an aspiration hazard.

**California Proposition 65 Component Hazard**

This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.

**SECTION 12: ECOLOGICAL INFORMATION****Ecotoxicity****A: General Product Information**

This product is not reported to have any ecotoxicity effects.

**B: Component Analysis – Ecotoxicity – Aquatic Toxicity**

No information available for the components of the product.

**Persistence/Degradability**

No information available for the product.

**Bioaccumulation**

No information available for the product.

**Mobility in Soil**

No information available for the product.

**SECTION 13: DISPOSAL CONSIDERATIONS**

**Waste Disposal Instructions**

See section 7 for Handling Procedures. See Section 8 for Personal Protective Equipment recommendations.

**Disposal of Contaminated Containers or Packaging**

Observe all local, regional, and national regulations. Offer surplus and non-recyclable solutions to a licensed disposal company.

**SECTION 14: TRANSPORT INFORMATION**

<p><b>UN Information</b></p> <p><b>Number:</b> None</p> <p><b>Shipping Name:</b> None</p> <p><b>Transport Hazard Class:</b> None</p> <p><b>Packing Group:</b> None</p>	<p><b>Environmental Hazards</b></p> <p><b>Marine Pollutant:</b> None</p> <p><b>Transport in Bulk:</b> None</p> <p><b>Special Precautions for User:</b> NA</p> <p><b>IMDG Information</b></p> <p><b>Shipping Name:</b> None</p>
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**SECTION 15: REGULATORY INFORMATION**

**EU Marking & Labeling:**

**Symbol(s):**

None

**Risk Phrases:**

None

**Substance Analysis – Inventory**

Component/CAS#	Listed		
	OSHA	CAN DSL	TSCA
Newborn Bovine Serum NA	NA	NA	NA
Water 7732-18-5	No	Yes	Yes

**SECTION 16: OTHER INFORMATION**

**Certificate of Origin**

Products of Bovine, Ovine and/or Caprine Origin used in the manufacture of Immuno Concepts' products are derived from animals born and raised in the United States of America or Canada and do not contain any hazardous materials.

I hereby certify that at the origin of the shipments and within a radius of 25km, there has been no animal epidemic during the time of manufacturing or dispatch, under the OIE list A, nor has there been any reported disease in the last 24 months from which the products and product components are obtained and reported.

\_\_\_\_\_  
Authorized Signature

\_\_\_\_\_  
Date

**Key/Legend**

ACGIH = American Conference of Governmental Industrial Hygienists; ADG = Australian Code for the Transport of Dangerous Goods by Road and Rail; ADR/RID = European Agreement of Dangerous Goods by Road/Rail; AS = Standards Australia; DFG = Deutsche Forschungsgemeinschaft; DOT = Department of Transportation; DSL = Domestic Substances List; EEC = European Economic Community; EINECS = European Inventory of Existing Commercial Chemical Substances; ELINCS = European List of Notified Chemical Substances; EU = European Union; HMIS = Hazardous Materials Identification System; IARC = International Agency for Research on Cancer; IMO = International Maritime Organization; IATA = International Air Transport Association; MAK = Maximum Concentration Value in the Workplace; NDSL =

Non-Domestic Substances List; NFPA = National Fire Protection Association; NOHSC = National Occupational Health & Safety Commission; NTP = National Toxicology Program; STEL = Short-term Exposure Limit; TDG = Transportation of Dangerous Goods; TLV = Threshold Limit Value; TSCA = Toxic Substances Control Act; TWA = Time Weighted Average; NA = Not applicable; ND = Not determined

**Literature References**

Available on request.

The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. Immuno Concepts, N.A. Ltd, shall not be held liable for any damage resulting from handling or contact with the above product.

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