SECTION 1: IDENTIFICATION

Product Identifier: ANA/ANCA Sample 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
Technical Support: 1-800-251-5115; 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).

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS #</th>
<th>Percent Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>&gt; 95%*</td>
</tr>
<tr>
<td>Bovine serum</td>
<td>9048-46-8</td>
<td>&lt; 5%*</td>
</tr>
</tbody>
</table>

*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

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

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

<table>
<thead>
<tr>
<th>UN Information</th>
<th>Environmental Hazards</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number: None</td>
<td>Marine Pollutant: None</td>
</tr>
<tr>
<td>Shipping Name: None</td>
<td>Transport in Bulk: None</td>
</tr>
<tr>
<td>Transport Hazard Class: None</td>
<td>Special Precautions for User: NA</td>
</tr>
<tr>
<td>Packing Group: None</td>
<td>IMDG Information Shipping Name: None</td>
</tr>
</tbody>
</table>

SECTION 15: REGULATORY INFORMATION

EU Marking & Labeling:
Symbol(s): None
Risk Phrases: None

Substance Analysis – Inventory

<table>
<thead>
<tr>
<th>Component/CAS#</th>
<th>Listed</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>OSHA</td>
</tr>
<tr>
<td>Water 7732-18-5</td>
<td>No</td>
</tr>
<tr>
<td>Bovine serum 9048-46-8</td>
<td>NA</td>
</tr>
</tbody>
</table>

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...
Material Name: ANA/ANCA Sample Diluent

Creation Date: 2015-07-29
Rev. 1.0

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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