## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY

**Product Identifier**  
**Product Form**: Mixture  
**Product Name**: Positive Control  
**Product Code**: P00347, P30C, P30C-CE  

**Intended Use of the Product**  
The Platelet PGD Test is a rapid, qualitative immunoassay that detects the presence of bacteria in platelets for transfusion.

### Name, Address, and Telephone of the Responsible Party
Verax Biomedical Incorporated  
148 Bartlett Street  
Marlborough, MA 01752  
1-866-948-3729  
www.fenwalinc.com  
EHS@fenwalinc.com

### Emergency Telephone Number
Emergency number: 1-760-476-9362

## SECTION 2: HAZARDS IDENTIFICATION

**Classification of the Substance or Mixture**  
Classification (GHS-US): Not classified

**Label Elements**  
GHS-US Labeling: Not classified

**Other Hazards**: Not available

### Unknown Acute Toxicity (GHS-US): Not available

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Mixture</th>
<th>Product identifier</th>
<th>% (w/w)</th>
<th>Classification (GHS-US)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>(CAS No) 7732-18-5</td>
<td>80 - 90</td>
<td>Not classified</td>
</tr>
<tr>
<td>Human Platelet Lysate</td>
<td>-</td>
<td>7 - 13</td>
<td>Not classified</td>
</tr>
<tr>
<td>Albumins, blood serum (Human, Rabbit)</td>
<td>(CAS No) 9048-46-8</td>
<td>1 - 5</td>
<td>Not classified</td>
</tr>
<tr>
<td>C. minutissimum Lysate</td>
<td>-</td>
<td>0.1 - 1</td>
<td>Not classified</td>
</tr>
<tr>
<td>E. coli Lysate</td>
<td>-</td>
<td>0.1 - 1</td>
<td>Not classified</td>
</tr>
<tr>
<td>A. baumannii Lysate</td>
<td>-</td>
<td>0.1 - 1</td>
<td>Not classified</td>
</tr>
<tr>
<td>Lipoteichoic acid</td>
<td>(CAS No) 56411-57-5</td>
<td>0.1 - 1</td>
<td>Not classified</td>
</tr>
</tbody>
</table>
| Sodium azide     | (CAS No) 26628-22-8 | < 0.1   | Acute Tox. 2 (Oral), H300  
                     |                    |         | Acute Tox. 1 (Dermal), H310  
                     |                    |         | STOT RE 2, H373              |

Full text of H-phrases: see section 16
SECTION 4: FIRST AID MEASURES

Description of First Aid Measures

General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

Inhalation: When symptoms occur: go into open air and ventilate suspected area. Keep at rest and in a position comfortable for breathing. If you feel unwell, seek medical advice.

Skin Contact: Remove contaminated clothing. Drench affected area with water for at least 15 minutes. Wash contaminated clothing before reuse. Obtain medical attention if irritation develops or persists.

Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if pain, blinking or redness persist.

Ingestion: Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER/doctor/physician if you feel unwell.

Most Important Symptoms and Effects Both Acute and Delayed

General: Not available

Inhalation: Inhalation is not considered a potential route of exposure.

Skin Contact: Contact during a long period may cause light irritation.

Eye Contact: May cause minor eye irritation.

Ingestion: Abdominal pain.

Chronic Symptoms: Repeated or prolonged skin contact may cause dermatitis and defatting.

Indication of Any Immediate Medical Attention and Special Treatment Needed

If exposed or concerned, get medical advice and attention.

SECTION 5: FIREFIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media: Use extinguishing media appropriate for surrounding fire.

Unsuitable Extinguishing Media: Do not use a heavy water stream. Use of heavy stream of water may spread fire.

Special Hazards Arising From the Substance or Mixture

Fire Hazard: Not flammable

Explosion Hazard: Product is not explosive.

Reactivity: Stable at ambient temperature and under normal conditions of use.

Advice for Firefighters

Precautionary Measures Fire: Exercise caution when fighting any chemical fire.

Firefighting Instructions: Use water spray or fog for cooling exposed containers.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

Hazardous Combustion Products: Carbon oxides (CO, CO₂).

Reference to Other Sections

Refer to section 9 for flammability properties.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Do not get in eyes, on skin, or on clothing.

For Non-Emergency Personnel

Protective Equipment: Use appropriate personal protection equipment (PPE).


For Emergency Personnel

Protective Equipment: Equip cleanup crew with proper protection.


Environmental Precautions

Prevent entry to sewers and public waters.

Methods and Material for Containment and Cleaning Up

For Containment: Absorb and/or contain spill with inert material, then place in suitable container.

Methods for Cleaning Up: Clear up spills immediately and dispose of waste safely.
Reference to Other Sections
See heading 8, Exposure Controls and Personal Protection.

SECTION 7: HANDLING AND STORAGE
Precautions for Safe Handling

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work. Do no eat, drink or smoke when using this product.

Conditions for Safe Storage, Including Any Incompatibilities

Storage Conditions: Keep away from heat and direct sunlight. Store in a dry, cool and well-ventilated place.


Specific End Use(s)
The Platelet PGD Test is a rapid, qualitative immunoassay that detects the presence of bacteria in platelets for transfusion.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION
Control Parameters

<table>
<thead>
<tr>
<th>Sodium azide (26628-22-8)</th>
<th>USA ACGIH ACGIH Ceiling (mg/m³)</th>
<th>0.29 mg/m³</th>
</tr>
</thead>
<tbody>
<tr>
<td>USA ACGIH</td>
<td>ACGIH Ceiling (ppm)</td>
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</tr>
<tr>
<td>USA NIOSH</td>
<td>NIOSH REL (ceiling) (mg/m³)</td>
<td>0.3 mg/m³</td>
</tr>
<tr>
<td>USA NIOSH</td>
<td>NIOSH REL (ceiling) (ppm)</td>
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</tr>
<tr>
<td>Alberta</td>
<td>OEL Ceiling (mg/m³)</td>
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</tr>
<tr>
<td>Alberta</td>
<td>OEL Ceiling (ppm)</td>
<td>0.11 ppm</td>
</tr>
<tr>
<td>Alberta</td>
<td>OEL STEL (mg/m³)</td>
<td>0.3 mg/m³</td>
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<tr>
<td>British Columbia</td>
<td>OEL Ceiling (mg/m³)</td>
<td>0.29 mg/m³</td>
</tr>
<tr>
<td>British Columbia</td>
<td>OEL Ceiling (ppm)</td>
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</tr>
<tr>
<td>Manitoba</td>
<td>OEL Ceiling (mg/m³)</td>
<td>0.29 mg/m³</td>
</tr>
<tr>
<td>Manitoba</td>
<td>OEL Ceiling (ppm)</td>
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<tr>
<td>New Brunswick</td>
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<tr>
<td>New Brunswick</td>
<td>OEL Ceiling (ppm)</td>
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</tr>
<tr>
<td>Newfoundland &amp; Labrador</td>
<td>OEL Ceiling (mg/m³)</td>
<td>0.29 mg/m³</td>
</tr>
<tr>
<td>Newfoundland &amp; Labrador</td>
<td>OEL Ceiling (ppm)</td>
<td>0.11 ppm</td>
</tr>
<tr>
<td>Nova Scotia</td>
<td>OEL Ceiling (mg/m³)</td>
<td>0.29 mg/m³</td>
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<tr>
<td>Nova Scotia</td>
<td>OEL Ceiling (ppm)</td>
<td>0.11 ppm</td>
</tr>
<tr>
<td>Nunavut</td>
<td>OEL Ceiling (mg/m³)</td>
<td>0.27 mg/m³</td>
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<tr>
<td>Nunavut</td>
<td>OEL Ceiling (ppm)</td>
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</tr>
<tr>
<td>Northwest Territories</td>
<td>OEL Ceiling (mg/m³)</td>
<td>0.27 mg/m³</td>
</tr>
<tr>
<td>Northwest Territories</td>
<td>OEL Ceiling (ppm)</td>
<td>0.1 ppm</td>
</tr>
<tr>
<td>Ontario</td>
<td>OEL Ceiling (mg/m³)</td>
<td>0.29 mg/m³</td>
</tr>
<tr>
<td>Ontario</td>
<td>OEL Ceiling (ppm)</td>
<td>0.11 ppm</td>
</tr>
<tr>
<td>Prince Edward Island</td>
<td>OEL Ceiling (mg/m³)</td>
<td>0.29 mg/m³</td>
</tr>
<tr>
<td>Prince Edward Island</td>
<td>OEL Ceiling (ppm)</td>
<td>0.11 ppm</td>
</tr>
<tr>
<td>Québec</td>
<td>PLAFOND (mg/m³)</td>
<td>0.3 mg/m³</td>
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<tr>
<td>Québec</td>
<td>PLAFOND (ppm)</td>
<td>0.11 ppm</td>
</tr>
<tr>
<td>Saskatchewan</td>
<td>OEL Ceiling (mg/m³)</td>
<td>0.29 mg/m³</td>
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<tr>
<td>Saskatchewan</td>
<td>OEL Ceiling (ppm)</td>
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</tbody>
</table>
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<table>
<thead>
<tr>
<th>Yukon</th>
<th>Yukon</th>
</tr>
</thead>
<tbody>
<tr>
<td>OEL Ceiling (mg/m³)</td>
<td>OEL Ceiling (ppm)</td>
</tr>
<tr>
<td>0.3 mg/m³</td>
<td>0.1 ppm</td>
</tr>
</tbody>
</table>

**Exposure Controls**

**Appropriate Engineering Controls:** Ensure adequate ventilation, especially in confined areas. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure all national/local regulations are observed.

**Personal Protective Equipment:** In case of splash hazard: safety glasses. Gloves. Protective clothing.

**Materials for Protective Clothing:** Chemically resistant materials and fabrics.

**Hand Protection:** Wear chemically resistant protective gloves.

**Eye Protection:** Chemical goggles or safety glasses.

**Skin and Body Protection:** Wear suitable protective clothing.

**Respiratory Protection:** Use NIOSH-approved air-purifying or supplied-air respirator where airborne concentrations of vapor or mist are expected to exceed exposure limits.

**Other Information:** When using, do not eat, drink or smoke.

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**Information on Basic Physical and Chemical Properties**

<table>
<thead>
<tr>
<th>Physical State</th>
<th>Liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Clear to pale yellow liquid</td>
</tr>
<tr>
<td>Odor</td>
<td>Odorless</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>Not available</td>
</tr>
<tr>
<td>pH</td>
<td>7.6</td>
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<tr>
<td>Relative Evaporation Rate (butylacetate=1)</td>
<td>Not available</td>
</tr>
<tr>
<td>Melting Point</td>
<td>Not available</td>
</tr>
<tr>
<td>Freezing Point</td>
<td>Not available</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>Not available</td>
</tr>
<tr>
<td>Flash Point</td>
<td>Not available</td>
</tr>
<tr>
<td>Auto-ignition Temperature</td>
<td>Not available</td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>Not available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not available</td>
</tr>
<tr>
<td>Lower Flammable Limit</td>
<td>Not available</td>
</tr>
<tr>
<td>Upper Flammable Limit</td>
<td>Not available</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>Not available</td>
</tr>
<tr>
<td>Relative Vapor Density at 20 °C</td>
<td>Not available</td>
</tr>
<tr>
<td>Relative Density</td>
<td>Not available</td>
</tr>
<tr>
<td>Density</td>
<td>0.966 g/cm³ (at 20°C/68°F)</td>
</tr>
<tr>
<td>Specific Gravity</td>
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</tr>
<tr>
<td>Solubility</td>
<td>Not available</td>
</tr>
<tr>
<td>Log Pow</td>
<td>Not available</td>
</tr>
<tr>
<td>Log Kow</td>
<td>Not available</td>
</tr>
<tr>
<td>Viscosity, Kinematic</td>
<td>Not available</td>
</tr>
<tr>
<td>Viscosity, Dynamic</td>
<td>Not available</td>
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<tr>
<td>Explosion Data – Sensitivity to Mechanical Impact</td>
<td>Not available</td>
</tr>
<tr>
<td>Explosion Data – Sensitivity to Static Discharge</td>
<td>Not available</td>
</tr>
</tbody>
</table>
SECTION 10: STABILITY AND REACTIVITY
Reactivity: Stable at ambient temperature and under normal conditions of use.
Chemical Stability: Stable at standard temperature and pressure.
Possibility of Hazardous Reactions: Hazardous polymerization will not occur.
Conditions to Avoid: Direct sunlight. Extremely high or low temperatures.
Hazardous Decomposition Products: Carbon oxides (CO, CO₂).

SECTION 11: TOXICOLOGICAL INFORMATION
Information on Toxicological Effects - Product
Acute Toxicity: Not classified
LD50 and LC50 Data: Not available
Skin Corrosion/Irritation: Not classified (pH: 7.6).
Serious Eye Damage/Irritation: Not classified (pH: 7.6).
Respiratory or Skin Sensitization: Not classified
Germ Cell Mutagenicity: Not classified
Teratogenicity: Not available
Carcinogenicity: Not classified
Specific Target Organ Toxicity (Repeated Exposure): Not classified
Reproductive Toxicity: Not classified
Specific Target Organ Toxicity (Single Exposure): Not classified
Aspiration Hazard: Not classified
Symptoms/Injuries After Inhalation: Inhalation is not considered a potential route of exposure.
Symptoms/Injuries After Skin Contact: Contact during a long period may cause light irritation.
Symptoms/Injuries After Eye Contact: May cause minor eye irritation.
Symptoms/Injuries After Ingestion: Abdominal pain.
Chronic Symptoms: Repeated or prolonged skin contact may cause dermatitis and defatting.

Information on Toxicological Effects - Ingredient(s)
LD50 and LC50 Data
Sodium azide (26628-22-8)
ATE (oral) 5.000 mg/kg body weight

SECTION 12: ECOLOGICAL INFORMATION
Toxicity
Sodium azide (26628-22-8)
LC50 Fish 1 0.8 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)
LC 50 Fish 2 0.7 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus)

Persistence and Degradability
Positive Control
Persistence and Degradability: Not established.

Bioaccumulative Potential
Positive Control
Bioaccumulative Potential: Not established.

Mobility in Soil: Not available

Other Adverse Effects
Other Information: Avoid release to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS
Waste Disposal Recommendations: Dispose of waste material in accordance with all local, regional, national, provincial, territorial and international regulations.
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SECTION 14: TRANSPORT INFORMATION

In Accordance With ICAO/IATA/DOT/TDG

**UN Number** Not regulated for transport

**UN Proper Shipping Name** Not regulated for transport

**Transport by sea** Not regulated for transport

**Air transport** Not regulated for transport

SECTION 15: REGULATORY INFORMATION

**US Federal Regulations**

**Water (7732-18-5)**
Listed on the United States TSCA (Toxic Substances Control Act) inventory

**Sodium azide (26628-22-8)**
Listed on the United States TSCA (Toxic Substances Control Act) inventory
Listed on SARA Section 302 (Specific toxic chemical listings)
Listed on SARA Section 313 (Specific toxic chemical listings)

<table>
<thead>
<tr>
<th>SARA Section 302 Threshold Planning Quantity (TPQ)</th>
<th>500 (This material is a reactive solid. The TPQ does not default to 10000 pounds for non-powder, non-molten, non-solution form)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SARA Section 313 - Emission Reporting</td>
<td>1.0 %</td>
</tr>
</tbody>
</table>

**Albumins, blood serum (9048-46-8)**
Listed on the United States TSCA (Toxic Substances Control Act) inventory

**US State Regulations**

**Sodium azide (26628-22-8)**

U.S. - Colorado - Hazardous Wastes - Discarded Chemical Products, Off-Specification Species, Container and Spill Residues
U.S. - Connecticut - Hazardous Air Pollutants - HLVs (30 min)
U.S. - Connecticut - Hazardous Air Pollutants - HLVs (8 hr)
U.S. - Delaware - Pollutant Discharge Requirements - Reportable Quantities
U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Acceptable Ambient Concentrations
U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Emission Levels (ELs)
U.S. - Louisiana - Reportable Quantity List for Pollutants
U.S. - Massachusetts - Oil & Hazardous Material List - Groundwater Reportable Concentration - Reporting Category 1
U.S. - Massachusetts - Oil & Hazardous Material List - Groundwater Reportable Concentration - Reporting Category 2
U.S. - Massachusetts - Oil & Hazardous Material List - Reportable Quantity
U.S. - Massachusetts - Oil & Hazardous Material List - Soil Reportable Concentration - Reporting Category 1
U.S. - Massachusetts - Oil & Hazardous Material List - Soil Reportable Concentration - Reporting Category 2
U.S. - Massachusetts - Right To Know List
U.S. - Massachusetts - Toxics Use Reduction Act
U.S. - Michigan - Occupational Exposure Limits - Ceilings
U.S. - Michigan - Occupational Exposure Limits - Skin Designations
U.S. - Michigan - Polluting Materials List
U.S. - Minnesota - Chemicals of High Concern
U.S. - Minnesota - Hazardous Substance List
U.S. - Minnesota - Permissible Exposure Limits - Ceilings
U.S. - Minnesota - Permissible Exposure Limits - Skin Designations
U.S. - Nebraska - "P" Listed Hazardous Wastes
U.S. - New Hampshire - Regulated Toxic Air Pollutants - Ambient Air Levels (AALs) - 24-Hour
U.S. - New Hampshire - Regulated Toxic Air Pollutants - Ambient Air Levels (AALs) - Annual
U.S. - New Jersey - Discharge Prevention - List of Hazardous Substances
U.S. - New Jersey - Environmental Hazardous Substances List
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - New Jersey - Special Health Hazards Substances List
U.S. - New York - Reporting of Releases Part 597 - List of Hazardous Substances

9/7/2016

EN (English US)
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Positive Control

Uncontrolled product according to WHMIS classification criteria.

Water (7732-18-5)

Listed on the Canadian DSL (Domestic Substances List) inventory.

WHMIS Classification | Uncontrolled product according to WHMIS classification criteria

Sodium azide (26628-22-8)

Listed on the Canadian DSL (Domestic Substances List) inventory.

Listed on the Canadian Ingredient Disclosure List

WHMIS Classification | Class D Division 1 Subdivision A - Very toxic material causing immediate and serious toxic effects

Albumins, blood serum (9048-46-8)

Listed on the Canadian DSL (Domestic Substances List) inventory.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by CPR.

SECTION 16: OTHER INFORMATION

Indication of Changes : 9/7/2016

Other Information : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200

GHS Full Text Phrases:

| Acute Tox. 2 (Oral) | Acute toxicity (oral), Category 2
| Eye Irrit. 2A | Serious eye damage/eye irritation, Category 2A
| Skin Irrit. 2 | Skin corrosion/irritation, Category 2
| STOT SE 3 | Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
| H301 | Toxic if swallowed
| H315 | Causes skin irritation
| H319 | Causes serious eye irritation
| H335 | May cause respiratory irritation

Party Responsible for the Preparation of This Document
Positive Control

Safety Data Sheet
according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Fenwal Inc.
Phone Number: 847-550-2300

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product*

North America GHS US 2012 & WHMIS