

# Urine Sample, High Protein & Glucose

## Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations And According To The Hazardous Products Regulation (February 11, 2015).  
Date of Issue: 09/29/2022 Version: 1.0

### SECTION 1: IDENTIFICATION

#### 1.1. Product Identifier

**Product Form:** Mixture

**Product Name:** Urine Sample, High Protein & Glucose

**Product Code:** US5096SS

#### 1.2. Intended Use of the Product

Laboratory

#### 1.3. Name, Address, and Telephone of the Responsible Party

##### Company

AquaPhoenix Scientific, Inc.

860 Gitts Run Road

Hanover, PA 17331 USA

Tel +1 (717)632-1291

Toll-Free: (866)632-1291

[tech@aquaphoenixsci.com](mailto:tech@aquaphoenixsci.com)

#### 1.4. Emergency Telephone Number

**Emergency Number** : VelocityEHS

(800)255-3924 (North America)

+1 (813)248-0585 (International)

### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1. Classification of the Substance or Mixture

##### GHS-US/CA Classification

Not Classified.

#### 2.2. Label Elements

##### GHS-US/CA Labeling

No labeling applicable according to 29 CFR 1910.1200 and the Hazardous Products Regulations (HPR) SOR/2015-17.

#### 2.3. Other Hazards

Exposure may aggravate pre-existing eye, skin, or respiratory conditions.

#### 2.4. Unknown Acute Toxicity (GHS-US/CA)

No additional information available

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1. Substance

Not applicable

#### 3.2. Mixture

Name	Synonyms	Product Identifier	% *	GHS Ingredient Classification
Water	water / AQUA	(CAS-No.) 7732-18-5	97.915	Not classified
Glucose	Anhydrous dextrose / Cartose / Cerelese / Corn sugar / GLUCOSE / anhydrous dextrose / Sugar, grape / Grape sugar / Glucose, anhydrous / D-Glucose, anhydrous / Glucose liquid / .delta.-Glucose / D-Glucose / Dextrose, anhydrous / Dextrose	(CAS-No.) 50-99-7	1	Comb. Dust
Phosphoric acid, monosodium salt, monohydrate	Monosodium dihydrogen phosphate, monohydrate / Sodium dihydrogen phosphate monohydrate / Monobasic sodium phosphate monohydrate / Sodium phosphate, monobasic, monohydrate	(CAS-No.) 10049-21-5	0.685	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335
Phosphoric acid, disodium salt	Sodium phosphate dibasic / Disodium hydrogen phosphate / Disodium hydrogenorthophosphate / Disodium	(CAS-No.) 7558-79-4	0.315	Not classified

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	phosphate / Sodium phosphate, dibasic / Disodium hydrogenphosphate / Disodium phosphate, anhydrous / Phosphoric acid, sodium salt (1:2) / DISODIUM PHOSPHATE / Disodium hydrogen orthophosphate / Disodium orthophosphate / sodium phosphate, dibasic, anhydrous			
Albumins, blood serum	SERUM ALBUMIN / Serum albumin / Bovine albumin / Albumin human / Albumin	(CAS-No.) 9048-46-8	0.07	Comb. Dust
Sodium azide	Sodium azide (NaN <sub>3</sub> ) / Sodium azide (NaN <sub>3</sub> ) / sodium azide	(CAS-No.) 26628-22-8	0.01	Acute Tox. 2 (Oral), H300 Acute Tox. 1 (Dermal), H310 Acute Tox. 2 (Inhalation:dust,mist), H330 STOT SE 1, H370 STOT RE 1, H372 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 Comb. Dust
Benzoic acid, 2-[[4,5-dihydro-3-methyl-5-oxo-1-(4-sulphophenyl)-1H-pyrazol-4-yl]azo]-, disodium salt	Disodium 2-[[4,5-dihydro-3-methyl-5-oxo-1-(4-sulphonatophenyl)-1H-pyrazol-4-yl]azo]benzoate / Benzoic acid, 2-[2-[4,5-dihydro-3-methyl-5-oxo-1-(4-sulphophenyl)-1H-pyrazol-4-yl]diazonyl]-, sodium salt (1:2)	(CAS-No.) 6359-83-7	0.005	Not classified

Full text of H-statements: see section 16

\*Percentages are listed in weight by weight percentage (w/w%) for liquid and solid ingredients. Gas ingredients are listed in volume by volume percentage (v/v%).

## SECTION 4: FIRST AID MEASURES

### 4.1. 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. Obtain medical attention if breathing difficulty persists.

**Skin Contact:** Remove contaminated clothing. Drench affected area with soap and water for at least 5 minutes. Obtain medical attention if irritation develops or persists.

**Eye Contact:** Rinse cautiously with water for at least 5 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if irritation develops or persists.

**Ingestion:** Rinse mouth. Do NOT induce vomiting. Obtain medical attention.

### 4.2. Most Important Symptoms and Effects Both Acute and Delayed

**General:** Not expected to present a significant hazard under anticipated conditions of normal use.

**Inhalation:** Prolonged exposure may cause irritation.

**Skin Contact:** Prolonged exposure may cause skin irritation.

**Eye Contact:** May cause slight irritation to eyes.

**Ingestion:** Ingestion may cause adverse effects.

**Chronic Symptoms:** None expected under normal conditions of use.

### 4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

## SECTION 5: FIRE-FIGHTING MEASURES

### 5.1. Extinguishing Media

**Suitable Extinguishing Media:** Not flammable. Use extinguishing media suitable for surrounding type of fire.

**Unsuitable Extinguishing Media:** None known.

### 5.2. Special Hazards Arising From the Substance or Mixture

**Fire Hazard:** Not flammable.

**Explosion Hazard:** Product is not explosive.

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**Reactivity:** Hazardous reactions will not occur under normal conditions.

### 5.3. 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, CO<sub>2</sub>), phosphorous oxides, sodium oxides. Nitrogen Oxides.

### 5.4. Reference to Other Sections

Refer to Section 9 for flammability properties.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1. Personal Precautions, Protective Equipment and Emergency Procedures

**General Measures:** Avoid prolonged contact with eyes, skin and clothing. Avoid breathing (vapor, mist, spray).

#### 6.1.1. For Non-Emergency Personnel

**Protective Equipment:** Use appropriate personal protective equipment (PPE).

**Emergency Procedures:** Evacuate unnecessary personnel.

#### 6.1.2. For Emergency Personnel

**Protective Equipment:** Equip cleanup crew with proper protection.

**Emergency Procedures:** Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit. Ventilate area.

### 6.2. Environmental Precautions

Prevent entry to sewers and public waters.

### 6.3. Methods and Materials for Containment and Cleaning Up

**For Containment:** Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

**Methods for Cleaning Up:** Clean up spills immediately and dispose of waste safely. Absorb and/or contain spill with inert material. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a large spill.

### 6.4. Reference to Other Sections

See Section 8 for exposure controls and personal protection and Section 13 for disposal considerations.

## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for Safe Handling

**Precautions for Safe Handling:** Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Avoid prolonged contact with eyes, skin and clothing. Avoid breathing vapors, mist, spray.

**Hygiene Measures:** Handle in accordance with good industrial hygiene and safety procedures.

### 7.2. Conditions for Safe Storage, Including Any Incompatibilities

**Technical Measures:** Comply with applicable regulations.

**Storage Conditions:** Keep container closed when not in use. Store in a dry, cool place. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials.

**Incompatible Materials:** Strong acids, strong bases, strong oxidizers.

### 7.3. Specific End Use(s)

Laboratory

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control Parameters

For substances listed in section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), AIHA (WEEL), NIOSH (REL), OSHA (PEL), or Canadian provincial governments.

Sodium azide (26628-22-8)		
USA ACGIH	ACGIH OEL Ceiling	0.29 mg/m <sup>3</sup>
USA ACGIH	ACGIH OEL Ceiling [ppm]	0.11 ppm
USA ACGIH	ACGIH chemical category	Not Classifiable as a Human Carcinogen
USA NIOSH	NIOSH REL (Ceiling)	0.3 mg/m <sup>3</sup>
USA NIOSH	NIOSH REL C [ppm]	0.1 ppm
Alberta	OEL C	0.29 mg/m <sup>3</sup>
Alberta	OEL Ceiling [ppm]	0.11 ppm

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Alberta	OEL STEL	0.3 mg/m <sup>3</sup>
British Columbia	OEL C	0.29 mg/m <sup>3</sup>
British Columbia	OEL Ceiling [ppm]	0.11 ppm
Manitoba	OEL C	0.29 mg/m <sup>3</sup>
Manitoba	OEL Ceiling [ppm]	0.11 ppm
New Brunswick	OEL C	0.29 mg/m <sup>3</sup>
New Brunswick	OEL Ceiling [ppm]	0.11 ppm (vapor)
Newfoundland & Labrador	OEL C	0.29 mg/m <sup>3</sup>
Newfoundland & Labrador	OEL Ceiling [ppm]	0.11 ppm
Nova Scotia	OEL C	0.29 mg/m <sup>3</sup>
Nova Scotia	OEL Ceiling [ppm]	0.11 ppm
Nunavut	OEL C	0.29 mg/m <sup>3</sup>
Nunavut	OEL Ceiling [ppm]	0.11 ppm
Northwest Territories	OEL C	0.29 mg/m <sup>3</sup>
Northwest Territories	OEL Ceiling [ppm]	0.11 ppm
Ontario	OEL C	0.29 mg/m <sup>3</sup>
Ontario	OEL Ceiling [ppm]	0.11 ppm
Prince Edward Island	OEL C	0.29 mg/m <sup>3</sup>
Prince Edward Island	OEL Ceiling [ppm]	0.11 ppm
Québec	Plafond (OEL Ceiling)	0.29 mg/m <sup>3</sup>
Québec	Plafond (OEL Ceiling) [ppm]	0.11 ppm (vapour)
Saskatchewan	OEL C	0.29 mg/m <sup>3</sup>
Saskatchewan	OEL Ceiling [ppm]	0.11 ppm
Yukon	OEL C	0.3 mg/m <sup>3</sup>
Yukon	OEL Ceiling [ppm]	0.1 ppm

## 8.2. Exposure Controls

**Appropriate Engineering Controls:** Suitable eye/body wash equipment should be available in the vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed.

**Personal Protective Equipment:** Gloves. Protective clothing. Chemical safety goggles or safety glasses with side-shields.



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

**Hand Protection:** Wear protective gloves.

**Eye and Face Protection:** Chemical safety goggles or safety glasses with side-shields.

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

**Respiratory Protection:** If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection.

**Environmental Exposure Controls:** Avoid unnecessary release into the environment.

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

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on Basic Physical and Chemical Properties

Physical State	: Liquid
Appearance	: Yellow
Odor	: None
Odor Threshold	: No data available
pH	: 6 – 7
Evaporation Rate	: No data available
Melting Point	: No data available
Freezing Point	: No data available

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<b>Boiling Point</b>	: No data available
<b>Flash Point</b>	: No data available
<b>Auto-ignition Temperature</b>	: No data available
<b>Decomposition Temperature</b>	: No data available
<b>Flammability</b>	: Not applicable
<b>Lower Flammable Limit</b>	: No data available
<b>Upper Flammable Limit</b>	: No data available
<b>Vapor Pressure</b>	: No data available
<b>Relative Vapor Density at 20°C</b>	: No data available
<b>Relative Density</b>	: No data available
<b>Specific Gravity</b>	: No data available
<b>Solubility</b>	: Water: Soluble
<b>Partition Coefficient: N-Octanol/Water</b>	: No data available
<b>Viscosity</b>	: No data available

## SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity:

Hazardous reactions will not occur under normal conditions.

### 10.2. Chemical Stability:

Stable under recommended handling and storage conditions (see section 7).

### 10.3. Possibility of Hazardous Reactions:

Hazardous polymerization will not occur.

### 10.4. Conditions to Avoid:

Direct sunlight, extremely high or low temperatures, and incompatible materials.

### 10.5. Incompatible Materials:

Strong acids, strong bases, strong oxidizers.

### 10.6. Hazardous Decomposition Products:

Thermal decomposition may produce: Carbon oxides (CO, CO<sub>2</sub>), phosphorous oxides, sodium oxides. Nitrogen oxides.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on Toxicological Effects - Product

**Acute Toxicity (Oral):** Not classified

**Acute Toxicity (Dermal):** Not classified

**Acute Toxicity (Inhalation):** Not classified

#### LD50 and LC50 Data:

No additional information available

**Skin Corrosion/Irritation:** Not classified

**pH:** 6 – 7

**Eye Damage/Irritation:** Not classified

**pH:** 6 – 7

**Respiratory or Skin Sensitization:** Not classified

**Germ Cell Mutagenicity:** Not classified

**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:** Prolonged exposure may cause irritation.

**Symptoms/Injuries After Skin Contact:** Prolonged exposure may cause skin irritation.

**Symptoms/Injuries After Eye Contact:** May cause slight irritation to eyes.

**Symptoms/Injuries After Ingestion:** Ingestion may cause adverse effects.

**Chronic Symptoms:** None expected under normal conditions of use.

### 11.2. Information on Toxicological Effects - Ingredient(s)

#### LD50 and LC50 Data:

Phosphoric acid, disodium salt (7558-79-4)

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LD50 Oral Rat	17 g/kg
LD50 Dermal Rat	> 5000 mg/kg (50% solution)
<b>Sodium azide (26628-22-8)</b>	
LD50 Oral Rat	27 mg/kg
LD50 Dermal Rabbit	20 mg/kg
LC50 Inhalation Rat	0.054 – 0.52 mg/l/4h (Dust/Mist - mg/l/4h)
<b>Glucose (50-99-7)</b>	
LD50 Oral Rat	25800 mg/kg

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity

Ecology - General: Not classified.

<b>Sodium azide (26628-22-8)</b>	
LC50 Fish 1	0.8 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)
LC50 Fish 2	0.7 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus)
ErC50 algae	0.348 mg/l

### 12.2. Persistence and Degradability

<b>Urine Sample, High Protein &amp; Glucose</b>	
Persistence and Degradability	Not established.

### 12.3. Bioaccumulative Potential

<b>Urine Sample, High Protein &amp; Glucose</b>	
Bioaccumulative Potential	Not established.
<b>Benzoic acid, 2-[[4,5-dihydro-3-methyl-5-oxo-1-(4-sulfophenyl)-1H-pyrazol-4-yl]azo]-, disodium salt (6359-83-7)</b>	
Partition coefficient n-octanol/water (Log Pow)	-2.5 (at 20 °C)

### 12.4. Mobility in Soil

No additional information available

### 12.5. Other Adverse Effects

Other Adverse Effects: None known.

Other Information: Avoid release to the environment.

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

**Waste Disposal Recommendations:** Dispose of contents/container in accordance with local, regional, national, territorial, provincial, and international regulations.

**Ecology - Waste Materials:** Avoid release to the environment.

## SECTION 14: TRANSPORT INFORMATION

The shipping description(s) stated herein were prepared in accordance with certain assumptions at the time the SDS was authored, and can vary based on a number of variables that may or may not have been known at the time the SDS was issued.

### 14.1. In Accordance with DOT

Not regulated for transport

### 14.2. In Accordance with IMDG

Not regulated for transport

### 14.3. In Accordance with IATA

Not regulated for transport

### 14.4. In Accordance with TDG

Not regulated for transport

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### SECTION 15: REGULATORY INFORMATION

#### 15.1. US Federal Regulations

<b>Phosphoric acid, disodium salt (7558-79-4)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
<b>CERCLA RQ</b>	5000 lb
<b>Sodium azide (26628-22-8)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
Listed on the United States SARA Section 302	
Subject to reporting requirements of United States SARA Section 313	
<b>CERCLA RQ</b>	1000 lb
<b>SARA Section 302 Threshold Planning Quantity (TPQ)</b>	500 lb (this material is a reactive solid, the TPQ does not default to 10000 pounds for non-powder, non-molten, non-solution form)
<b>SARA Section 313 - Emission Reporting</b>	1 %
<b>Glucose (50-99-7)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
<b>Albumins, blood serum (9048-46-8)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
<b>EPA TSCA Regulatory Flag</b>	XU - XU - indicates a substance exempt from reporting under the Chemical Data Reporting Rule, (40 CFR 711).
<b>Benzoic acid, 2-[[4,5-dihydro-3-methyl-5-oxo-1-(4-sulfophenyl)-1H-pyrazol-4-yl]azo]-, disodium salt (6359-83-7)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
<b>Water (7732-18-5)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	

#### 15.2. US State Regulations

<b>Phosphoric acid, disodium salt (7558-79-4)</b>	
U.S. - New Jersey - Right to Know Hazardous Substance List	
U.S. - Pennsylvania - RTK (Right to Know) List	
U.S. - Massachusetts - Right To Know List	
U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List	
<b>Sodium azide (26628-22-8)</b>	
U.S. - New Jersey - Right to Know Hazardous Substance List	
U.S. - Pennsylvania - RTK (Right to Know) List	
U.S. - Massachusetts - Right To Know List	
U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List	

#### 15.3. Canadian Regulations

<b>Phosphoric acid, disodium salt (7558-79-4)</b>	
Listed on the Canadian DSL (Domestic Substances List)	
<b>Sodium azide (26628-22-8)</b>	
Listed on the Canadian DSL (Domestic Substances List)	
<b>Glucose (50-99-7)</b>	
Listed on the Canadian DSL (Domestic Substances List)	
<b>Albumins, blood serum (9048-46-8)</b>	
Listed on the Canadian DSL (Domestic Substances List)	
<b>Benzoic acid, 2-[[4,5-dihydro-3-methyl-5-oxo-1-(4-sulfophenyl)-1H-pyrazol-4-yl]azo]-, disodium salt (6359-83-7)</b>	
Listed on the Canadian DSL (Domestic Substances List)	
<b>Water (7732-18-5)</b>	
Listed on the Canadian DSL (Domestic Substances List)	

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### SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

**Date of Preparation or Latest** : 09/29/2022

**Revision**

**Other Information** : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200 and Canada's Hazardous Products Regulations (HPR) SOR/2015-17.

**GHS Full Text Phrases:**

H300	Fatal if swallowed
H310	Fatal in contact with skin
H315	Causes skin irritation
H319	Causes serious eye irritation
H330	Fatal if inhaled
H335	May cause respiratory irritation
H370	Causes damage to organs
H372	Causes damage to organs through prolonged or repeated exposure
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects

*This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.*

NA GHS SDS 2015 (Can, US)