

Material Safety Data Sheet

Section 1 – Chemical Product and Company Identification

Catalog Numbers: GL1040-A, GL1040-B, GL1040-C, GL1040-D, GL1040-P, GL1040-Q, GL1040-G, GL1040-T

Product Identity: Glucose 0.1%

Chemical Family: Not Applicable

Synonyms: Glucose solution; Dextrose solution

Recommended Use: Laboratory chemicals

Manufacturer's Name: AquaPhoenix Scientific, Inc., 9 Barnhart Dr., Hanover, PA 17331, (866) 632-1291
Emergency Contact Number (24hr): Chemtel (800) 255-3924

Issue Date: 06/25/12

Revision Date: 07/26/12

Section 2 – Hazard Identification

Emergency Overview: Wash areas of contact. If ingested, dilute with water and get medical attention. Get medical attention if irritation develops.

Appearance: Not available

Odor: None reported

Target Organs: Eyes, skin

Potential Health Effects/ Routes of Exposure:

Eyes: Non-irritating to the eyes

Skin: Non-irritating to the skin

Ingestion: Non-hazardous

Inhalation: Non-hazardous

Chronic Effect / Carcinogenicity: None (IARC, NTP, OSHA)

Aggravated Medical Conditions No information available

These chemicals are not considered hazardous by OSHA.

See section 11 for toxicological information. See section 12 for potential environmental effects.

Section 3 – Composition, Information on Ingredients

Glucose, CAS# 50-99-7, 0.1% w/v

Water, purified, CAS# 7732-18-5, 99.9% w/v

Section 4 – First Aid

Eyes: Flush eyes with water for at least 15 minutes. If irritation develops, get medical aid.

Skin: Flush with soap and water.

Ingestion: Get medical assistance if symptoms develops.

Inhalation: No specific treatment is necessary because this material is not likely to be hazardous by inhalation.

Notes to Physician Treat symptomatically.

Section 5 – Fire Fighting Measures

Flash Point: Not Applicable **Autoignition Temperature** No information available.

Explosion Limits Upper No data available **Lower** No data available

Extinguishing Media: Use means suitable to extinguishing surrounding fire.

Unsuitable Extinguishing Media: No information available

Fire & Explosion Hazards: Not considered to be a fire or explosion hazard.

Fire Fighting Instructions / Equipment: Use normal procedures. Use protective clothing. Use NIOSH-approved breathing equipment.

Hazardous Combustion Products: No information Available
Sensitivity to mechanical impact No information available.
Sensitivity to static discharge No information available.
Specific Hazards Arising from the Chemical: No information available
NFPA Rating: (estimated) Health: 1; Flammable: 0; Reactivity: 0

Section 6 – Accidental Release Measures

Personal Precautions Use personal protective equipment. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing.
Environmental Precautions Not relevant considering the small amounts used.
Methods for Containment and Clean Up Absorb with suitable material. Always obey local regulations.

Section 7 – Handling and Storage

Handling: Wash hands after handling.
Storage: Protect from freezing and physical damage.

Section 8 – Exposure Controls, Personal Protection

Glucose, CAS# 50-99-7, ACGIH TLV: NA, OSHA PEL: NA
Water, purified, CAS# 7732-18-5, ACGIH TLV: NA, OSHA PEL: NA
Engineering Measures/ General Hygiene: Normal ventilation is adequate. Ensure eyewash and safety showers are available.
Personal Protection Equipment: Skin Protection: Chemical resistant gloves.
Eye/Face Protection: Safety Glasses or goggles. **Respiratory Protection:** Normal ventilation is adequate

Section 9 – Physical and Chemical Properties

Appearance/Physical State: Liquid	
Odor: None reported	% Volatility: No Information Available
Boiling Point: No information available	Specific Gravity: No information available
Melting Point: No information available	Vapor Pressure: No Information Available
Vapor Density: No Information Available	Flash Point: Not Applicable
Evaporation Rate: No Information Available	Coefficient of water/oil distribution: Not Available
pH: Not Available	Odor Threshold: Not Available
Flammability: No Information Available	Decomposition Temperature: No Information Available
Solubility: Not available	Partition Coefficient n-octanol/water: No data
Relative Density: No Information Available	Molecular Weight: Not available

Section 10 – Stability and Reactivity

Chemical Stability: Stable under normal conditions of use and storage.
Incompatible Materials None identified.
Conditions to Avoid: No Information Available.
Hazardous Decomposition Products: None
Hazardous Polymerization: Does not occur
Hazardous Reactions: None under normal processing.

Section 11 – Toxicological Information

Routes of Exposure/Symptoms/Corrosiveness – See Section 2
LD50 orl-rat: 25800mg/kg (Glucose), LC50 inhalation-rat: Not Available
Irritation: No Information Available
Toxicologically Synergistic: No Information Available
Chronic Exposure

Carcinogenicity The chemicals in this product are not listed as a carcinogen (ACGIH, IARC, NTP, or CA Prop 65)

Sensitization No information available.

Mutagenic Effects No information available.

Reproductive Effects No information available.

Developmental Effects (Immediate/Delayed) No information available.

Teratogenicity No information available.

Other Adverse Effects No Information Available.

Endocrine Disruptor Information No information available

Section 12 – Ecological Information

Ecotoxicity: Not Available.

Persistence and Degradability: No Information Available

Mobility: No Information Available

Bioaccumulation/ Accumulation: No Information Available

Section 13 – Disposal Considerations

Waste Disposal/Waste Disposal of Packaging: Dilute with water.

All chemical waster generators must determine whether a discarded chemical is classified as hazardous waste. Comply with all local, state, and federal regulations.

Section 14 – Transport Information

DOT - Not Regulated

Section 15 – Regulatory Information (not meant to be all inclusive)

OSHA Status: These chemicals are not considered hazardous by OSHA.

Canada DSL: These chemicals are listed on the Canada DSL list.

TSCA: The components of this solution are listed on the TSCA Inventory

SARA Title III Section 313: Not Applicable

RCRA Status: Not Applicable

CERCLA Reportable Quantity: Not Applicable

WHMIS: Not controlled

This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR

Section 16 – Additional Information

Disclaimer: The information on this MSDS applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to determine the suitability and completeness of this information for his own particular use. No warranty is implied regarding the accuracy of the data or the results to be obtained from the products use.