

**Safety Data Sheet**  
according to 29CFR1910/1200 and GHS Rev. 3

Effective date : 01.07.2015

**Sucrose, 30g**

**SECTION 1: Identification of the substance/mixture and of the supplier**

**Product name:** Sucrose, 30g  
**Manufacturer/Supplier Trade name:**  
**Manufacturer/Supplier Article number:** SC8900-E  
**Recommended uses of the product and restrictions on use:**

**Manufacturer Details:**

AquaPhoenix Scientific, Inc.  
9 Barnhart Drive  
Hanover, PA 17331  
1-717-632-1291

**Supplier Details:**

AquaPhoenix Scientific, Inc  
9 Barnhart Drive, Hanover, PA 17331  
(717) 632-1291

**Emergency telephone number:**

**ChemTel: (24-hour) (US and Canada)**  
1-(800)-255-3924

**SECTION 2: Hazards identification**

**Classification of the substance or mixture:**

**Signal word:** Warning

**Hazard statements:**

None

**Precautionary statements:**

If medical advice is needed have product container or label at hand.  
Keep out of reach of children.  
Read label before use.

**Other Non-GHS Classification:** None

**SECTION 3: Composition/information on ingredients**

**Ingredients:**

Ingredients:		
CAS 57-50-1	Sucrose, ACS	>90 %
Percentages are by weight		

**SECTION 4: First aid measures**

**Description of first aid measures**

**After inhalation:**

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Move exposed individual to fresh air. Loosen clothing as necessary and position individual in a comfortable position. Seek medical advice if discomfort or irritation persists. If breathing difficult, give oxygen. give artificial respiration if needed.

**After skin contact:**

Wash affected area with soap and water. Seek medical attention if irritation persists or if concerned.

**After eye contact:**

Protect unexposed eye. Immediately flush eyes with water for at least 15 minutes. Immediately get medical assistance.

**After swallowing:**

Rinse mouth thoroughly. Do not induce vomiting. Have exposed individual drink sips of water. Seek medical attention immediately.

**Most important symptoms and effects, both acute and delayed:**

Shortness of breath. Irritation. Nausea. Headache.

**Indication of any immediate medical attention and special treatment needed:**

If seeking medical attention provide SDS document to physician. Physician should treat symptomatically.

**SECTION 5: Firefighting measures**

**Extinguishing media**

**Suitable extinguishing agents:**

Water fog. Mist. Carbon dioxide. Dry chemical powder. Alcohol foam. Polymer foam. If in laboratory setting, follow laboratory fire suppression procedures. Use appropriate fire suppression agents for adjacent combustible materials or sources of ignition.

**Unsuitable extinguishing agents:** None

**Special hazards arising from the substance or mixture:**

May form combustible dust concentrations in air.

**Advice for firefighters:**

**Protective equipment:**

Use NIOSH-approved respiratory protection/breathing apparatus.

**Additional information (precautions):**

Move product containers away from fire or keep cool with water spray as a protective measure, where feasible. Use spark-proof tools and explosion-proof equipment.

**SECTION 6: Accidental release measures**

**Personal precautions, protective equipment and emergency procedures:**

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapor and mists below the applicable workplace exposure limits (Occupational Exposure Limits-OELs) indicated above. Ensure adequate ventilation. Precautions. Avoid contact with eyes, skin, and clothing. Use proper personal protective equipment.

**Environmental precautions:**

Prevent from reaching drains, sewer or waterway.

**Methods and material for containment and cleaning up:**

If necessary use trained response staff or contractor. Wear protective eyewear, gloves, and clothing. Absorb with suitable absorbent material such as sand or earth and containerize for disposal. Avoid generating dust. Always obey local regulations. Dispose of empty containers as unused product. Refer to Section 13. Refer to Section 8.

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**Reference to other sections:** None

**SECTION 7: Handling and storage**

**Precautions for safe handling:**

Minimize dust generation and accumulation. Follow good hygiene procedures when handling chemical materials. Refer to Section 8. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Do not eat, drink, smoke, or use personal products when handling chemical substances. Use only in well ventilated areas. Avoid contact with eyes, skin, and clothing.

**Conditions for safe storage, including any incompatibilities:**

Store in a cool location. Provide ventilation for containers. Keep container tightly closed. Protect from freezing and physical damage.

**SECTION 8: Exposure controls/personal protection**



**Control parameters:**

57-50-1, Sucrose, ACS, ACGIH: 10 mg/m<sup>3</sup> TWA.  
57-50-1, Sucrose, ACS, NIOSH: 10 mg/m<sup>3</sup> TWA (total dust); 5 mg/m<sup>3</sup> TWA (respirable dust).

**Appropriate engineering controls:**

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of use or handling. Ensure that dust-handling systems (exhaust ducts, dust collectors, vessels, and processing equipment) are designed to prevent the escape of dust into the work area. Normal ventilation is adequate.

**Respiratory protection:**

Not required under normal conditions of use. Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. When necessary use NIOSH approved breathing equipment.

**Protection of skin:**

Select glove material impermeable and resistant to the substance. Select glove material based on rates of diffusion and degradation.

**Eye protection:**

Safety glasses with side shields.

**General hygienic measures:**

Wash hands before breaks and at the end of work. Before wearing wash contaminated clothing. Perform routine housekeeping to prevent dust generation. Wear protective eyewear, gloves, and clothing.

**SECTION 9: Physical and chemical properties**

<b>Appearance (physical state, color):</b>	White solid	<b>Explosion limit lower:</b>	Non Explosive
		<b>Explosion limit upper:</b>	Non Explosive
<b>Odor:</b>	Odorless	<b>Vapor pressure at 20°C:</b>	Not available
<b>Odor threshold:</b>	Not available	<b>Vapor density:</b>	Not available
<b>pH-value:</b>	5.5 - 7.5 at 342 g/l at 25°C	<b>Relative density:</b>	Not available
<b>Melting/Freezing point:</b>	185 - 187°C	<b>Solubilities:</b>	342 g/l at 20°C
<b>Boiling point/Boiling range:</b>	Not available	<b>Partition coefficient (n-octanol/water):</b>	Not available
<b>Flash point (closed cup):</b>	Not available	<b>Auto/Self-ignition temperature:</b>	Not available

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<b>Evaporation rate:</b>	Not available	<b>Decomposition temperature:</b>	Not available
<b>Flammability (solid, gaseous):</b>	Not available	<b>Viscosity:</b>	a. Kinematic: Not available b. Dynamic: Not available
<b>Density at 20°C:</b>	Not available		

### SECTION 10: Stability and reactivity

**Reactivity:**

None under normal processing.

**Chemical stability:**

Stable under normal conditions.

**Possible hazardous reactions:**

None under normal processing.

**Conditions to avoid:**

Oxidizers. Sulfuric acid. Nitric acid.

**Incompatible materials:**

Strong oxidizing agents.

**Hazardous decomposition products:**

Oxides of carbon and irritating and toxic gases/fumes.

### SECTION 11: Toxicological information

**Acute Toxicity:** No additional information.

**Chronic Toxicity:** No additional information.

**Skin corrosion/irritation:** No additional information.

**Serious eye damage/irritation:** No additional information.

**Respiratory or skin sensitization:** No additional information.

**Carcinogenicity:**

**Germ cell mutagenicity:** No additional information.

**Reproductive Toxicity:** No additional information.

**STOT-single and repeated exposure:** No additional information.

**Additional toxicological information:**

No additional information.

### SECTION 12: Ecological information

**Ecotoxicity:** No additional information.

**Persistence and degradability:**

Not persistent.

**Bioaccumulative potential:**

Not readily biodegradable.

**Mobility in soil:** No additional information.

**Other adverse effects:** No additional information.

### SECTION 13: Disposal considerations

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**Waste disposal recommendations:**

It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory entities (US 40CFR262.11). Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations. Ensure complete and accurate classification. Dispose of empty containers as unused product.

**SECTION 14: Transport information**

**US DOT**

**UN Number:**

ADR, ADN, DOT, IMDG, IATA

Not Dangerous Goods

**Limited Quantity Exception:**

None

**Bulk:**

**RQ (if applicable):** None

**Proper shipping Name:** Not Dangerous Goods.

**Hazard Class:** None

**Packing Group:** Not Dangerous Goods.

**Marine Pollutant (if applicable):** No additional information.

**Comments:** None

**Non Bulk:**

**RQ (if applicable):** None

**Proper shipping Name:** Not Dangerous Goods.

**Hazard Class:** None

**Packing Group:** Not Dangerous Goods.

**Marine Pollutant (if applicable):** No additional information.

**Comments:** None

**SECTION 15: Regulatory information**

**United States (USA)**

**SARA Section 311/312 (Specific toxic chemical listings):**

None of the ingredients are listed.

**SARA Section 313 (Specific toxic chemical listings):**

None of the ingredients are listed.

**RCRA (hazardous waste code):**

None of the ingredients are listed.

**TSCA (Toxic Substances Control Act) :**

All ingredients are listed.

**CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act):**

None of the ingredients are listed.

**Proposition 65 (California):**

**Chemicals known to cause cancer:**

None of the ingredients are listed.

**Chemicals known to cause reproductive toxicity for females:**

None of the ingredients are listed.

**Chemicals known to cause reproductive toxicity for males:**

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None of the ingredients are listed.

**Chemicals known to cause developmental toxicity:**

None of the ingredients are listed.

**Canada**

**Canadian Domestic Substances List (DSL) :**

All ingredients are listed.

**SECTION 16: Other information**

This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations. Note. The responsibility to provide a safe workplace remains with the user. The user should consider the health hazards and safety information contained herein as a guide and should take those precautions required in an individual operation to instruct employees and develop work practice procedures for a safe work environment. The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by the use of this material. It is the responsibility of the user to comply with all applicable laws and regulations applicable to this material.

**NFPA:** 1-0-0

**HMIS:** 1-0-0

**GHS Full Text Phrases:** None

**Abbreviations and Acronyms:**

IMDG International Maritime Code for Dangerous Goods.  
PNEC. Predicted No-Effect Concentration (REACH).  
CFR Code of Federal Regulations (USA).  
SARA Superfund Amendments and Reauthorization Act (USA).  
RCRA. Resource Conservation and Recovery Act (USA).  
TSCA. Toxic Substances Control Act (USA).  
NPRI National Pollutant Release Inventory (Canada).  
DOT US Department of Transportation.  
IATA International Air Transport Association.  
GHS Globally Harmonized System of Classification and Labelling of Chemicals.  
ACGIH American Conference of Governmental Industrial Hygienists.  
CAS Chemical Abstracts Service (division of the American Chemical Society).  
NFPA National Fire Protection Association (USA).  
HMIS Hazardous Materials Identification System (USA).  
WHMIS Workplace Hazardous Materials Information System (Canada).  
DNEL Derived No-Effect Level (REACH).



## Safety Data Sheet

### I Identification

Product Name: **Micropropagation Agar-Type I**

Catalog Number: **A038**

Synonyms:

Company: **Caisson Laboratories**

Address: **836 South 100 East, Smithfield, UT 84335**

Telephone: **435.755.7615**

Fax: **435.755.7617**

Emergency Contact: **CHEMTREC 800.424.9300 (703.527.3887)**

Recommended Use:

Restrictions On Use:

### II Hazard(s) Identification

Overview:

Flammability:

Reactivity:

Toxicity:

NFPA Rating

Health: **0**

Flammability: **1**

Reactivity: **0**

Special:

Pictograms:

### III Composition / Information on Ingredients

General Information:

Component:

CAS#: **9002-18-0**

% by Weight: **Agar - 100%**

#### IV First-Aid Measures

General Information:

Route of Exposure

Oral: **Not expected to be a health hazard.**

Inhalation: **If inhaled, move to fresh air. If breathing becomes difficult, call a physician.**

Dermal: **Not expected to be a health hazard.**

Eye: **In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.**

#### V Fire-Fighting Measures

General Information:

Flammable Properties

General:

Flash Point:

Ignition Temperature:

Suitable Extinguishing Media: **Use any means suitable for extinguishing surrounding fire.**

Special Protective Equipment for fire fighters: **Use protective clothing and breathing equipment appropriate for the surrounding fire.**

Additional Information: **Not considered to be a fire hazard. Not considered to be an explosion hazard.**

#### VI Accidental Release Measures

General Information: **Ventilate area of leak or spill. Wear appropriate personal protective equipment. Spills: Sweep up and containerize for reclamation or disposal. Vacuuming or wet sweeping may be used to avoid dust dispersal.**

#### VII Handling and Storage

Handling:

Storage: **General storage, keep in a tightly closed container, stored in a cool, dry, ventilated area**

#### VIII Exposure Controls / Personal Protection

General Information:

Engineering Measures:

Personal Protective Equipment

General:

Eye Protection:

Hand Protection:

Respiratory Protection:

Skin and Body Protection:

Hygiene Measures:



IX Physical and Chemical Properties

General Information:

Appearance:

pH:

Specific Gravity:

Melting Point:

Boiling Point:

Flash Point:

Flammability Range:

Vapor Pressure:

X Stability and Reactivity

General Information:

Storage Stability

Temperature: **Room Temperature**

Light Sensitive: **False**

Incompatibles: **Strong oxidizers.**

Hazardous Decomposition Products: **Carbon dioxide and carbon monoxide may form when heated to decomposition.**

**Stable under ordinary conditions of use and storage.**

XI Toxicological Information

General Information:

Acute Toxicity: **Complete toxicological properties have yet to be determined.**

Chronic Toxicity: **Complete toxicological properties have yet to be determined.**

Local Effects:

Target Organs:

Carcinogenicity: **Investigated as a tumorigen.**

OSHA Permissible Exposure Limits: **No exposure limits established by OSHA or ACGIH**

XII Ecological Information

General Information:

XIII Disposal Considerations

General Information:

Disposal of Product: **Observe all federal, state and local environmental regulations.**

Disposal of Packaging: **Rinse and dispose according to federal, state and local environmental regulations.**



## Safety Data Sheet

<b>XIV</b>	<b>Transport Information</b>
	Proper Shipping Name: <b>CHEMICALS, N.O.S (NON-REGULATED)</b> UN#: Class: Packaging Group: Hazard Label:
<b>XV</b>	<b>Regulatory Information</b>
	General Information: TSCA: SARA 313:
<b>XVI</b>	<b>Other Information</b>
	General Information: <b>The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. Caisson Laboratories, Inc. Shall not be held liable for any damage resulting from handling or from contact with the above product.</b>

Last Revision Date: 26 Oct, 2015