



## Safety Data Sheet

Revision Date: 27-May-2020

24 Hour Emergency #: 1-800-255-3924

### 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME: M9 CA Medium  
CATALOG NUMBER: 340-017-101  
CHEMICAL NAME: An aqueous solution of Calcium chloride, Potassium phosphate monobasic, Magnesium sulfate, Sodium chloride, Sodium bicarbonate, Ammonium chloride Casamino acids and Glucose.

#### Company/Undertaking Identification

Quality Biological Inc.  
7581 Lindbergh Drive  
Gaithersburg, MD 20879  
301-840-9331

### 2. HAZARDS IDENTIFICATION

#### GHS – Classification

The product contains no substances which at their given concentration, are considered to be hazardous to health

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	EC No.	REACH Reg. No.	CAS-No	Weight %	Classification
Sodium Chloride	EEC No. 231-598-3	Not available	7647-14-5	0.05	
Potassium Phosphate Monobasic	231-913-4	Not available	7778-77-0	0.3	
Magnesium Sulfate Heptahydrate	231-298-2	Not available	10034-99-8	0.02	
Sodium Phosphate Dibasic Anhydrate	231-448-7	Not available	7558-79-4	0.7	
Ammonium Chloride	235-186-4	Not available	12125-02-9	0.1	

### 4. FIRST AID MEASURES

#### Skin contact

Immediately wash skin with copious amounts of water followed by washing with soap and copious amounts of water. Remove all contaminated clothing.

#### Eye contact

Flush eyes with copious amounts of water for at least 15 minutes with eyelids separated and call a physician.

#### Ingestion

Never give anything by mouth to an unconscious person

#### Inhalation

If person is unconscious seek emergency medical attention, if person is conscious remove to fresh air and call a physician

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Notes to physician

Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

**General:** Wear Self-Contained breathing apparatus in pressure demand, MSHA/NIOSH approved. During a fire, irritating and toxic gases may be generated by thermal decomposition.

**Extinguishing Media:** Dry chemical, CO<sub>2</sub>, water spray or regular foam.

**Autoignition Temperature:** N/A

**Explosion limits:** Not sensitive.

**Flash Point:** Not flammable.

## 6. ACCIDENTAL RELEASE MEASURES

**Use Personal Protective Equipment:** Including Chemical Splash Goggles, Chemical Resistant Gloves, and appropriate clothing to prevent skin exposure. In addition, a Respiratory protection program that complies with OSHA 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use.

**Spills and Leaks:** Absorb spill with inert material (e.g. Vermiculite, sand, earth) then place in a suitable container. Clean up spills immediately, observing precautions in the Sections 6 and 8. Provide ventilation.

## 7. HANDLING AND STORAGE

### **Handling Storage**

Handle in accordance with good industrial hygiene and safety practice.  
Keep containers tightly closed in 2-8°C.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### **Occupational exposure controls**

#### **Exposure limits**

**Engineering measures** Ensure adequate ventilation, especially in confined areas

#### **Personal protective equipment**

<b>Respiratory protection</b>	In case of insufficient ventilation wear suitable respiratory equipment
<b>Hand protection</b>	Protective gloves
<b>Eye protection</b>	Safety glasses with side-shields
<b>Skin and body protection</b>	Lightweight protective clothing.
<b>Hygiene measures</b>	Handle in accordance with good industrial hygiene and safety practice
<b>Environmental exposure Controls</b>	Prevent product from entering drains.

## 9. PHYSICAL AND CHEMICAL PROPERTIES



## General Information

Form

Liquid

## Important Health Safety and Environmental Information

Boiling point/range	°C No data available	°F No data available
Melting point/range	°C No data available	°F No data available
Flash point	°C No data available	°F No data available
Autoignition temperature	°C No data available	°F No data available
Oxidizing properties	No information available	
Water solubility	No data available	

## 10. STABILITY AND REACTIVITY

Stability	Stable under recommended storage conditions.
Materials to avoid	No information available
Hazardous decomposition products	Carbon oxides.
Polymerization	Hazardous polymerisation does not occur.
Incompatible Products	Strong oxidizing agents.

## 11. TOXICOLOGICAL INFORMATION

### Acute toxicity

Irritating to eye, skin and respiratory system. May be harmful if swallowed.

### Principle Routes of Exposure/ Potential Health effects

Eyes	No information available
Skin	No information available
Inhalation	No information available
Ingestion	No information available

### Specific effects

Carcinogenic effects	No information available
Mutagenic effects	No information available
Reproductive toxicity	No information available
Sensitization	No information available

### Target Organ Effects

None known.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Harmful to aquatic organisms.



## M9 CA Medium

Chemical Name	Toxicity to Algae	Toxicity to Fish	Microtox	Daphnia Magna (Water Flea)
Sodium Chloride		LC50 6020-7070 mg/L Pimephales promelas 96 h LC50 6420-6700 mg/L Pimephales promelas 96 h LC50 4747-7824 mg/L Oncorhynchus mykiss 96 h LC50= 12946 mg/L Lepomis macrochirus 96 h LC50= 7050 mg/L Pimephales promelas 96 h LC50 5560-6080 mg/L Lepomis macrochirus 96 h		EC50 = 1000 mg/L 48 h

## 13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with local regulations

## 14. TRANSPORT INFORMATION

### IATA

Proper shipping name	Not classified as dangerous in the meaning of transport regulations
Hazard Class	No information available
Subsidiary Class	No information available
Packing group	No information available
UN-No	No information available

## 15. REGULATORY INFORMATION

### International Inventories

### U.S. Federal Regulations

#### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

#### **Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)**

This product does not contain any substances regulated as hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act Amendments of 1990.



## **U.S. State Regulations**

### **California Proposition 65**

This product does not contain chemicals listed under Proposition 65

### **WHMIS hazard class:**

D2B Toxic materials



## 16. OTHER INFORMATION

This material is sold for research and development purposes only. It is not for any human or animal therapeutic or clinical diagnostic use. It is not intended for food, drug, household, agricultural, or cosmetic use. An individual technically qualified to handle potentially hazardous chemicals must supervise the use of this material.

**THE ABOVE INFORMATION IS BELIEVED TO BE CORRECT; HOWEVER, IT MAY NOT BE ALL INCLUSIVE. THIS INFORMATION SHOULD BE USED ONLY AS A GUIDE. QUALITY BIOLOGICAL, INC. SHALL NOT BE HELD LIABLE FOR ANY DAMAGE RESULTING FROM THE HANDLING OR CONTACT WITH THE ABOVE PRODUCT.**

**End of Safety Data Sheet**