



## Material Safety Data Sheet

### Glucose-glutamic acid

#### Section 1 - Chemical Product and Company Identification

**MSDS Name:**

Glucose-glutamic acid

**Catalog Numbers:**

LC14845

**Synonyms:****Company Identification:**

LabChem, Inc.  
200 William Pitt Way  
Pittsburgh, PA 15238

**Company Phone Number:**

(412) 826-5230

**Emergency Phone Number:**

(800) 424-9300

**CHEMTREC Phone Number:**

(800) 424-9300

#### Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name:	Percent
7732-18-5	Water	balance
50-99-7	Glucose	0.015
56-86-0	Alpha-glutamic acid	0.015

#### Section 3 - Hazards Identification

##### EMERGENCY OVERVIEW

*Appearance: No information found.*

*Expected to be non-hazardous.*

*Target Organs: Noneknown.*

##### Potential Health Effects

**Eye:**

Non-irritatingtotheeyes.

**Skin:**

Non-irritatingtotheskin.

**Ingestion:**

Nohazardisexpectedduringnormaluse.



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**Inhalation:**

No hazard expected during normal use.

**Chronic:**

Possible dermatitis and conjunctivitis.

## Section 4 - First Aid Measures

**Eyes:**

If irritation develops, get medical aid.

**Skin:**

Get medical aid if irritation develops or persists.

**Ingestion:**

Do NOT induce vomiting. Get medical aid.

**Inhalation:**

No specific treatment is necessary since this material is not likely to be hazardous by inhalation.

**Notes to Physician:**

Treat symptomatically and supportively.

## Section 5 - Fire Fighting Measures

**General Information:**

Negligible fire and explosion hazard when exposed to heat or flame.

**Extinguishing Media:**

For small fires, use dry chemical, carbon dioxide, water spray or alcohol-resistant foam.

**Autoignition Temperature:**

No information found.

**Flash Point:**

No information found.

**NFPA Rating:**

CAS# 7732-18-5: Not published.

CAS# 50-99-7: Not published.

CAS# 56-86-0: Not published.

**Explosion Limits:**

Lower:      Upper:

## Section 6 - Accidental Release Measures

**General Information:**

Use proper personal protective equipment as indicated in Section 8.

**Spills/Leaks:**

Absorb spill using an absorbent, non-combustible material such as earth, sand, diatomaceous earth, vermiculite, or other suitable absorbent.



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### Section 7 - Handling and Storage

**Handling:**

Wash thoroughly after handling.

**Storage:**

Store capped at room temperature.

### Section 8 - Exposure Controls, Personal Protection

**Engineering Controls:**

Good general ventilation should be sufficient to control airborne levels.

**Exposure Limits**

Chemical Name:	ACGIH	NIOSH	OSHA
Water	None of the components are on this list.	None of the components are on this list.	None of the components are on this list.
Glucose	None of the components are on this list.	None of the components are on this list.	None of the components are on this list.
Alpha-glutamic acid	None of the components are on this list.	None of the components are on this list.	None of the components are on this list.

**OSHA Vacated PELs****Personal Protective Equipment****Eyes:**

Wear safety glasses and chemical goggles if splashing is possible. Provide an eye-wash fountain in the immediate work area. Do not wear contact lenses when working with chemicals. Do not wear contact lenses when working with chemicals.

**Skin:**

Wear impervious gloves.

**Clothing:**

Protective coveralls are recommended.

**Respirators:**

Not required for normal use.

### Section 9 - Physical and Chemical Properties

**Physical State:** Not available.

**Color:** No information found.

**Odor:** No information found.

**pH:** No information found.

**Vapor Pressure:** No information found.

**Vapor Density:** No information found.

**Evaporation Rate:** No information found.

**Viscosity:** No information found.

**Boiling Point:** No information found.



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- Freezing/Melting Point:** No information found.  
**Decomposition Temperature:** No information found.  
**Solubility in water:** No information found.  
**Specific Gravity/Density:** No information found.  
**Molecular Formula:** No information found.  
**Molecular Weight:** No information found.

## Section 10 - Stability and Reactivity

### Chemical Stability:

Stable under normal temperatures and pressures.

### Conditions to Avoid:

Temperatures above recommended temperatures.

### Incompatibilities with Other Materials

None reported.

### Hazardous Decomposition Products

No information found.

### Hazardous Polymerization

Has not been reported

## Section 11 - Toxicological Information

### RTECS:

CAS# 7732-18-5: ZC0110000.

CAS# 50-99-7: LZ6600000.

CAS# 56-86-0: LZ9700000.

### LD50/LC50:

CAS# 7732-18-5:

Oral, rat: LD50 = >90 mL/kg.

CAS# 50-99-7:

Oral, rat: LD50 = 25800 mg/kg.

CAS# 56-86-0:

No information found.

### Carcinogenicity:

CAS# 7732-18-5: Not listed as a carcinogen by ACGIH, IARC, NIOSH, NTP, OSHA, or CA Prop 65.

CAS# 50-99-7: Not listed as a carcinogen by ACGIH, IARC, NIOSH, NTP, OSHA, or CA Prop 65.

CAS# 56-86-0: Not listed as a carcinogen by ACGIH, IARC, NIOSH, NTP, OSHA, or CA Prop 65.

### Epidemiology:

Potassium chloride solutions of less than 1% have not been investigated for toxicity.



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**Teratogenicity:**

**Reproductive:**

**Mutagenicity:**

**Neurotoxicity:**

**Section 12 - Ecological Information**

No information found.

**Section 13 - Disposal Considerations**

Dispose of in accordance with Federal, State, and local regulations.

**Section 14 - Transport Information**

**US DOT**

**Shipping Name:** Not regulated.

**Hazard Class:**

**UN Number:**

**Packing Group:**

**Section 15 - Regulatory Information**

**US Federal**

**TSCA**

CAS# 7732-18-5 is listed on the TSCA Inventory.

CAS# 50-99-7 is listed on the TSCA Inventory.

CAS# 56-86-0 is listed on the TSCA Inventory.

**SARA Reportable Quantities (RQ)**

None of the components are on this list.

**CERCLA/SARA Section 313**

None of the components are on this list.

**OSHA - Highly Hazardous**

None of the components are on this list.

**US State**

**State Right to Know**

**California Regulations**

**European/International Regulations**

**Canadian DSL/NDSL**

CAS# 7732-18-5 is listed on Canada's DSL List.

CAS# 50-99-7 is listed on Canada's DSL List.



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CAS# 56-86-0 is listed on Canada's DSL List.

#### Canada Ingredient Disclosure List

CAS# 7732-18-5 is not listed on Canada's Ingredient Disclosure List.

CAS# 50-99-7 is not listed on Canada's Ingredient Disclosure List.

CAS# 56-86-0 is not listed on Canada's Ingredient Disclosure List.

### Section 16 - Other Information

MSDS Creation Date: November 15, 1998

Revision Date: July 24, 2007

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